

eolf-seql  
SEQUENCE LISTING

<110> F. Hoffmann-La Roche AG

<120> Transgenic rabbit with common light chain

<130> P33502-W0

<150> EP 15192002.2

<151> 2015-10-29

<150> EP 16162580.1

<151> 2016-03-29

<160> 16

<170> PatentIn version 3.5

<210> 1

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> common light chain variable domain

<400> 1

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr  
                    20                      25                      30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
                    35                      40                      45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50                      55                      60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65                      70                      75                      80

eolf-seql

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 2  
<211> 287  
<212> DNA  
<213> Homo sapiens

<400> 2  
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60  
atcacttgcc gggcaagtca gagcattagc agctatttaa attggatatca gcagaaacca 120  
gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180  
aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240  
gaagattttg caacttacta ctgtcaacag agttacagta cccctcc 287

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<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 3

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr  
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

eolf-seql

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
85 90 95

<210> 4  
<211> 36  
<212> DNA  
<213> Homo sapiens

<400> 4  
ctcacttttcg gcggagggac caaggtggag atcaaa 36

<210> 5  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 5  
Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
1 5 10

<210> 6  
<211> 4731  
<212> DNA  
<213> Oryctolagus cuniculus

<400> 6  
cagagtgagg ggccctcagt cagagcccag aagcgaacct ccctgcaggg gagtgcggt 60  
ccaccagggg gcgcgcaaga cacactgagt ccagattctg gtcctgctca ggcacagagg 120  
gagatgaagc cctgggtttcc tgtcagggat ttgggtttcc ttcctacag ttttgaggga 180  
agacttctac ttcaggattc tgtcccttac actgacgcca ctgacgtaga gaagctttat 240  
gtgacaggaa gaagtcttaa atggacacat tcaggtttgt gaacgatgac agtggtcacc 300  
agggtcagag atgtgagaca atcaggggac ctcgtgagtg ttgtccagtc tgactcagga 360  
cagcgttcca ggacactgcc gactataaga caatttttagt tttccttcaa acccagacag 420

eolf-seq1

|                                                                    |      |
|--------------------------------------------------------------------|------|
| acccgagcca gagtcttgat ttgctacctc agttttataa gtcgtcccat cctcctgtca  | 480  |
| gagcagcctg tgtgctgcac tgaaccaacc gtcttatttt aactgtgggt gttctgcatt  | 540  |
| cactttctac agactttata cccaatctcc atttcccttt aatcctgaaa cagtctgtgg  | 600  |
| tccctgtgtg cacttccagc tgatctgggt ctgctccagt gtcgtgggaa cccctgcacc  | 660  |
| tgctgtgggt cagggagagc agaaagtggg acacagagcg gctgtgcact ctggggctgg  | 720  |
| agtccacatc acggggagct gtgtctgtgg ctccagcatg atgcccagtg tcctgaggct  | 780  |
| gaatcacagc tgcaggaaga gccagtccca gagaccatgt gtccagagtc cctgctcttc  | 840  |
| actccatgtc tatgctgact ggggtcatca atccatttgt gttctttcat cagtattaga  | 900  |
| gagggagaca cccaggctgc atatcacatt gctggatgga gcccatttgc acgctttccc  | 960  |
| atacttgtagc tgacagtgc ccttgaaga cagtacatga tggatctgta tgaggcccca   | 1020 |
| tcaccaaggt gggaacactg atgcagtttc atgctcctgg gttccagctg acaagcttga  | 1080 |
| gtccactgcc tttatttatc atctccataa aacatggcca acacaacacc agtattcaaa  | 1140 |
| gatcaatcgt catgattggc catcgttgct atttcatatt cctaaatggt tgataaataa  | 1200 |
| tattgagtat agctctatga ggtacaatga tatgtgtgga caaatgaat gcatattgag   | 1260 |
| tggaattatg aagtcaggct tgatgacaca ttcataccac aacacatggt tttggtggag  | 1320 |
| ttcacctgtc tcctgtcttc aagagatttc cactcacaat attctcttaa cctctgtcac  | 1380 |
| catgctgtgc agtagatccc tcagtgtgtg gagcctgtgg gactaaaact ctgaccttgc  | 1440 |
| tccagcgtct cctctgttcc tccctgctc agactttgggt cttcaccatt gtacttcctg  | 1500 |
| cctctgtgcc ttcagccttt tatcccatgt aggtagcatc acatattatg tgtcttcctg  | 1560 |
| gcctggatgc ttagcagagt gtacttttac tgacatatta tcttaggcac attattctcc  | 1620 |
| gggatcatcc aagttgtcca aaatcacaga atttcttact ctgtactgct tttaaacttc  | 1680 |
| cttttaaaaat gtaactttgt ccatttcttt cattttccat tcttgcttcc atgagatgtc | 1740 |
| actggatcat atgtgtgaac tcttttgaat ggcggtgctt taaatgaaca aggaactgca  | 1800 |
| gaggtgtttg ccacagtgc tgcagatccc gtggacacct ccctgggatt tcatattcat   | 1860 |

eolf-seq1

|                                                                   |      |
|-------------------------------------------------------------------|------|
| tgtaccatgc aatggtgctt gaagatcatg taataattct gtttctagtt tttgatgctt | 1920 |
| ttccataatg gttttactaa ttaacctgac acagacttgt accagggtta tcatctctct | 1980 |
| ctacctccat aaaacatgtc agctctggta tgtctgataa tagtcattct aacaggaggg | 2040 |
| atgggatgtc tcatttgctt tctaacatgg acatacatga tggtcctaga tttgtagcat | 2100 |
| tttatatggt tgtctttata tcttcttttg aaatttatag atgtaacata aattttaaaa | 2160 |
| tttatcattt tattggccag cgcatggctc actaggctaa tcctccacct gcggtgactg | 2220 |
| caaccagtt tctagtctcg gtcgggcgcc ggattctgtc ccggttgccc ctcttctagg  | 2280 |
| ccagctctct actgtggccc gggagtgcag tggaggatgg cccaagagct tgtgccctgc | 2340 |
| accccatggg agaccaggag aagcacctga ctctggctt cggatcagcg tggcgaccg   | 2400 |
| gttacagcgg ccattggagg gtgaaccaac ggtaaaggaa gacatttctc tctgtctctc | 2460 |
| tctctgtcac tgtccactct gcttgtcaaa aaagtgtacc attttattta aaaatttgtc | 2520 |
| tttatatatt tgtccaaaac cacagagaga ctgagactga cagtgatctt ctaattcctg | 2580 |
| gtcacttctc agatggctac caaagattca gctgggtcag gcgacagcca ggtgcttgga | 2640 |
| attctgtcca gggctccac gtgggactac ttggaacttc acctatggcc tcccagaggg  | 2700 |
| gcttaggaag gaatatgaga ctggaaccaa actaggacac agcactcagc atcctcatac | 2760 |
| aggagcagga atccatcagg ctactccag tgctgctcct gtcaccacct tatcatcact  | 2820 |
| gcatttaagg aattgatttc ttcccttggg attcagttgt ttgagatctt caacattagg | 2880 |
| aaataggctt tcaatcatat gtataattaa tcttcaattt attttaagta tctattttat | 2940 |
| tttagagaca gtgttatagc aagagatgaa gagaccaaca gatggagaga gaagcttctg | 3000 |
| tccagtgggt cacttcgtga atggctgcaa aggctatgat ggctgagcct aaagccagga | 3060 |
| gcctggaact tcctccagtt tcccacaggg ctggaagggg acaaacactt tggcatggt  | 3120 |
| cgacagtgat caccattgca atgcctacat ctgtgagttc aattgtggac tgcataatac | 3180 |
| aataatgtca catactatgt gtccacatct acctggatca tttcttttag tatgtatgct | 3240 |
| ccaggctgac ccatgtttcc tactgacaga acgacctcct tcttaatact gaataatatt | 3300 |

eolf-seq1

|                                                                    |      |
|--------------------------------------------------------------------|------|
| ccatgtccaa atgtgaaaga atccattcac tgttctgtga acatttgctt aattgtagac  | 3360 |
| tgaactatta tgaacacagc tgcattacct gaaccagga ctgcgggtga attgtgacac   | 3420 |
| agtgacttct acccagtgtg tgagctgaac tcagagtcac gattacagaa cagggaagag  | 3480 |
| ggggaacaca gggcagctga taacaggacg caaagcacca ctcacaggaa ggaataattc  | 3540 |
| tgcctacacc acagtgggct gactcagttc accacaaccc atgacagggt ccacaaataa  | 3600 |
| ctagaactga ggtctccagg cctcccaaca gagtgatgga aaggagggtg aaatgtgcat  | 3660 |
| gacactgagt tcatctgtgc ccatttctac catgcacatt ccaatagcac acaaaccaca  | 3720 |
| ctaccatgta cagtgttctg tggtcaggaa cagttttaaa ctaaagcaat ggatgaataa  | 3780 |
| atgaacaaca catagttaac cttaaaaaat caacttgcag tccttcatct atttaaaagt  | 3840 |
| gggcagcagg cattaggaca aaattggcta agtccccact agggtcaccc gtgttcccat  | 3900 |
| cagagaactg actgagcca gcctcacggc ttcccacact tttccctcat aatgcatcat   | 3960 |
| gggaaaactgt agatgacact acaggcaaag gagcccctac caccgacgtt ggaattacag | 4020 |
| acacagtttc ttgcttcagg gttcagaaag actaactcct aggggtcata ggcatttggg  | 4080 |
| atgtctaggg ctctcaaccc aaaggcagaa atctcccatt gtcacctttt ctgtccatct  | 4140 |
| ctacatttct gtaactctca ccccttctat ctctatctct gtcccaatgt ctttcatata  | 4200 |
| gatgataagg aactaatggg atttaataa atgaggaaca tgatattgct aacactggat   | 4260 |
| attaagggtg cacacatatt aaaatgaaac aaggatatct ctttcaactt tttaaaataa  | 4320 |
| ttataacata aaaattcata tgatctgaat catatcacag ccatcaccgt acacccccag  | 4380 |
| gtcaccacat ctgccctggg cgctgtcctg tctgaggcgt ctgaccccat gcctgctata  | 4440 |
| taggggcagc tcatgcaaat ggggcctccc tgtgcccattg aaaaccagcc cagccctcac | 4500 |
| cctgcagctc tggcacagga gctccagccc caggactccc aggtgtccac tcagtgatcg  | 4560 |
| cactcaacac agacgtcac catggagact gggctgcgct ggcttctcct ggtcgtgtg    | 4620 |
| ctcaaaggta atgatgggga acgcgggaca ctgagtctgg gagaggatgt gagtgagaga  | 4680 |
| cacagagagt gtgagtgaca gtgtcctgac catgtcgtct gtgtttgcag g           | 4731 |

# eolf-seq1

<210> 7  
 <211> 37  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer

<400> 7  
 aagcttgcca ccatggagac tgggctgcgc tggcttc 37

<210> 8  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer

<400> 8  
 ccattggtga ggggtgcccga g 21

<210> 9  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer

<400> 9  
 atggacatga ggggtccccgc 20

<210> 10  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer

<400> 10  
 gatttcaact gctcatcaga tggc 24

# eolf-seql

<210> 11  
<211> 368  
<212> PRT  
<213> Homo sapiens

<400> 11

Met Pro Gly Gly Cys Ser Arg Gly Pro Ala Ala Gly Asp Gly Arg Leu  
1 5 10 15

Arg Leu Ala Arg Leu Ala Leu Val Leu Leu Gly Trp Val Ser Ser Ser  
20 25 30

Ser Pro Thr Ser Ser Ala Ser Ser Phe Ser Ser Ser Ala Pro Phe Leu  
35 40 45

Ala Ser Ala Val Ser Ala Gln Pro Pro Leu Pro Asp Gln Cys Pro Ala  
50 55 60

Leu Cys Glu Cys Ser Glu Ala Ala Arg Thr Val Lys Cys Val Asn Arg  
65 70 75 80

Asn Leu Thr Glu Val Pro Thr Asp Leu Pro Ala Tyr Val Arg Asn Leu  
85 90 95

Phe Leu Thr Gly Asn Gln Leu Ala Val Leu Pro Ala Gly Ala Phe Ala  
100 105 110

Arg Arg Pro Pro Leu Ala Glu Leu Ala Ala Leu Asn Leu Ser Gly Ser  
115 120 125

Arg Leu Asp Glu Val Arg Ala Gly Ala Phe Glu His Leu Pro Ser Leu  
130 135 140

Arg Gln Leu Asp Leu Ser His Asn Pro Leu Ala Asp Leu Ser Pro Phe  
145 150 155 160

eolf-seql

Ala Phe Ser Gly Ser Asn Ala Ser Val Ser Ala Pro Ser Pro Leu Val  
165 170 175

Glu Leu Ile Leu Asn His Ile Val Pro Pro Glu Asp Glu Arg Gln Asn  
180 185 190

Arg Ser Phe Glu Gly Met Val Val Ala Ala Leu Leu Ala Gly Arg Ala  
195 200 205

Leu Gln Gly Leu Arg Arg Leu Glu Leu Ala Ser Asn His Phe Leu Tyr  
210 215 220

Leu Pro Arg Asp Val Leu Ala Gln Leu Pro Ser Leu Arg His Leu Asp  
225 230 235 240

Leu Ser Asn Asn Ser Leu Val Ser Leu Thr Tyr Val Ser Phe Arg Asn  
245 250 255

Leu Thr His Leu Glu Ser Leu His Leu Glu Asp Asn Ala Leu Lys Val  
260 265 270

Leu His Asn Gly Thr Leu Ala Glu Leu Gln Gly Leu Pro His Ile Arg  
275 280 285

Val Phe Leu Asp Asn Asn Pro Trp Val Cys Asp Cys His Met Ala Asp  
290 295 300

Met Val Thr Trp Leu Lys Glu Thr Glu Val Val Gln Gly Lys Asp Arg  
305 310 315 320

Leu Thr Cys Ala Tyr Pro Glu Lys Met Arg Asn Arg Val Leu Leu Glu  
325 330 335

Leu Asn Ser Ala Asp Leu Asp Cys Asp Pro Ile Leu Pro Pro Ser Leu  
340 345 350

eolf-seql

Gln Thr Ser Ala Ala Ala Leu Glu Val Leu Phe Gln Gly Pro Gly Thr  
 355 360 365

<210> 12  
 <211> 107  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> anti-TPBG antibody 051 VL

<400> 12

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Val Ser Ala Ser Val Gly  
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Tyr Ser Trp  
 20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
 35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
 65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asp Ser Pro Pro Tyr  
 85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys  
 100 105

<210> 13  
 <211> 107  
 <212> PRT  
 <213> Artificial Sequence

<220>

eolf-seql

<223> anti-TPBG antibody 091 VL

<400> 13

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr  
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ala Ala Ser Thr Leu Gln Ile Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ala Asn Ser Phe Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 14

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> anti-TPBG antibody 097 VL

<400> 14

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1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr  
20 25 30

# eolf-seql

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
 35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
 65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asp Ser Phe Pro Leu  
 85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
 100 105

<210> 15  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 15

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp  
 1 5 10 15

Leu Arg

<210> 16  
 <211> 124  
 <212> DNA  
 <213> Gallus gallus

<400> 16  
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 cagggctgtg cgtgcggggc cgtcactgat tgccgttttc tcccctctct cctctccctc 120  
 tcca 124

eolf-seql