SEQUENCE LISTING

<110> Xbrane Biopharma AB
STADA Arzneimittel AG

<120> METHOD OF PRODUCING A RECOMBINANT PROTEIN IN A HOST CELL WHICH HAS A DISABLED RHAMNOSE METABOLISM AS WELL AS EXPRESSION VECTORS, HOST CELLS AND RECOMBINANT PROTEINS THEREOF

<130> S12481WO/RN

<150> EP 20201096.3
<151> 2020-10-09

<160> 21

<170> BiSSAP 1.3.6

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gtaatccggc atcagcagag cgtgagcaat gtgtggaata agttcaggtt gttgctccgt 180

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<213> Artificial Sequence

<220>
<223> Ranibizumab light chain

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35 40 45
Tyr Phe Thr Ser Ser Leu His 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 Tyr Ser Thr Val Pro Trp
85 90 95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
100 105 110
Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125
Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140
Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160
Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175
Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
180 185 190
Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
195 200 205
Phe Asn Arg Gly Glu Cys
210

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<211> 231
<212> PRT
<213> Artificial Sequence

<220>
<223> Ranibizumab heavy chain

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Gly Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35   40   45
Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Ala Asp Phe
    50   55   60
Lys Arg Arg Phe Thr Phe Ser Leu Asp Thr Ser Lys Ser Thr Ala Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Lys Tyr Pro Tyr Tyr Tyr Gly Thr Ser His Trp Tyr Phe Asp Val
            100   105   110
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
        115   120   125
Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly
    130   135   140
Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145   150   155   160
Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
                165   170   175
Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
            180   185   190
Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val
        195   200   205
Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys
    210   215   220
Ser Cys Asp Lys Thr His Leu
225   230

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<213> Artificial Sequence

<220>
<223> ranibizumab light chain

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<212> DNA
<213> Artificial Sequence

<220>
<223> ranibizumab heavy chain

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gtggaaccga aaagctgcga taaaacccat ctgtaa 696

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<213> Artificial Sequence

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<223> PelB signal peptide - DNA

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atggca 66

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<213> Artificial Sequence

<220>
<223> rhaBAD promoter

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ccattttctt gtcagtaacg agaaggtcgc gaatccaggc gctttttaga ctggtcgta 119

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<212> DNA
<213> Artificial Sequence

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<223> RhaR transcription activator

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<211> 36
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<223> RhaR extended

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<212> DNA
<213> Artificial Sequence

<220>
<223> RhaS transcription activator

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<223> rrnB T1 terminator

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<223> rrnB T2 terminator

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<223> pMB1 origin of replication

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