

SEQUENCE LISTING

<110> Pieris AG

<120> Methods for preventing, treating or diagnosing disorders

<130> PIE14386PCT

<150> US 61/584,355

<151> 2012-01-09

<160> 3

<170> PatentIn version 3.5

<210> 1

<211> 158

<212> PRT

<213> Artificial

<220>

<223> Mutein of human tear lipocalin

<400> 1

His His Leu Leu Ala Ser Asp Glu Glu Ile Gln Asp Val Ser Gly Thr
1 5 10 15

Trp Tyr Leu Lys Ala Met Thr Val Asp Thr Gln Asp Pro Leu Ser Leu
20 25 30

Tyr Val Ser Val Ser Pro Ile Thr Leu Thr Thr Leu Glu Gly Gly Asn
35 40 45

Leu Glu Ala Thr Val Thr Leu Asn Gln Ile Gly Arg Ser Gln Glu Val
50 55 60

Leu Ala Val Leu Glu Lys Thr Asp Glu Pro Gly Lys Tyr Thr Leu Tyr
65 70 75 80

Gly Gly Ala His Val Ala Tyr Ile Gln Arg Ser His Val Lys Asp His
85 90 95

Tyr Ile Phe Tyr Ser Glu Gly Asp Thr Trp Gly Gly Pro Val Pro Gly
100 105 110

Val Trp Leu Val Gly Arg Asp Pro Lys Asn Cys Leu Glu Ala Leu Glu
115 120 125

Asp Phe Glu Lys Ala Ala Gly Ala Arg Gly Leu Ser Thr Glu Ser Ile
130 135 140

Leu Ile Pro Arg Gln Ser Glu Thr Ser Ser Pro Gly Ser Asp
145 150 155

<210> 2

<211> 158
 <212> PRT
 <213> Artificial

<220>
 <223> Mutein of human tear lipocalin

<400> 2

His His Leu Leu Ala Ser Asp Glu Glu Ile Gln Asp Val Ser Gly Thr
 1 5 10 15
 Trp Tyr Leu Lys Ala Met Thr Val Asp Thr Gln Asp Pro Leu Ser Leu
 20 25 30
 Tyr Val Ser Val Ser Pro Ile Thr Leu Thr Thr Leu Glu Gly Gly Asn
 35 40 45
 Leu Glu Ala Thr Val Thr Leu Asn Gln Ile Gly Arg Ser Gln Glu Val
 50 55 60
 Leu Ala Val Leu Glu Lys Thr Asp Glu Pro Gly Lys Tyr Thr Leu Tyr
 65 70 75 80
 Gly Gly Ala His Val Ala Tyr Ile Gln Arg Ser His Val Lys Asp His
 85 90 95
 Tyr Ile Phe Tyr Ser Glu Gly Asp Thr Trp Gly Gly Pro Val Pro Gly
 100 105 110
 Val Trp Leu Val Gly Arg Asp Pro Lys Asn Asn Leu Glu Ala Leu Glu
 115 120 125
 Asp Phe Glu Lys Ala Ala Gly Ala Arg Gly Leu Ser Thr Glu Ser Ile
 130 135 140
 Leu Ile Pro Arg Gln Ser Glu Thr Ser Ser Pro Gly Ser Asp
 145 150 155

<210> 3
 <211> 158
 <212> PRT
 <213> human

<220>
 <223> Human tear lipocalin

<400> 3

His His Leu Leu Ala Ser Asp Glu Glu Ile Gln Asp Val Ser Gly Thr
 1 5 10 15
 Trp Tyr Leu Lys Ala Met Thr Val Asp Arg Glu Phe Pro Glu Met Asn
 20 25 30
 Leu Glu Ser Val Thr Pro Met Thr Leu Thr Thr Leu Glu Gly Gly Asn
 35 40 45

Leu Glu Ala Lys Val Thr Met Leu Ile Ser Gly Arg Cys Gln Glu Val
 50 55 60
 Lys Ala Val Leu Glu Lys Thr Asp Glu Pro Gly Lys Tyr Thr Ala Asp
 65 70 75 80
 Gly Gly Lys His Val Ala Tyr Ile Ile Arg Ser His Val Lys Asp His
 85 90 95
 Tyr Ile Phe Tyr Cys Glu Gly Glu Leu His Gly Lys Pro Val Arg Gly
 100 105 110
 Val Lys Leu Val Gly Arg Asp Pro Lys Asn Asn Leu Glu Ala Leu Glu
 115 120 125
 Asp Phe Glu Lys Ala Ala Gly Ala Arg Gly Leu Ser Thr Glu Ser Ile
 130 135 140
 Leu Ile Pro Arg Gln Ser Glu Thr Cys Ser Pro Gly Ser Asp
 145 150 155