

P14-016 PCT sequence listing
SEQUENCE LISTING

<110> Merck Patent GmbH
<120> Implant comprising FGF-18

<130> P14/016

<150> EP14000598.4
<151> 20.02.2014

<160> 3
<170> PatentIn version 3.5

<210> 1
<211> 207
<212> PRT
<213> Homo sapiens

<220>
<223> human FGF-18

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

<210> 2
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<212> PRT
<213> Artificial

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<220>

<223> recombinant truncated FGF-18(sprifermin)

<400> 2

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Ser Arg Thr Ser Gly Lys His Ile Gln Val Leu Gly Arg Arg Ile Ser
35      40      45
Ala Arg Gly Glu Asp Gly Asp Lys Tyr Ala Gln Leu Leu Val Glu Thr
50      55      60
Asp Thr Phe Gly Ser Gln Val Arg Ile Lys Gly Lys Glu Thr Glu Phe
65      70      75      80
Tyr Leu Cys Met Asn Arg Lys Gly Lys Leu Val Gly Lys Pro Asp Gly
85      90      95
Thr Ser Lys Glu Cys Val Phe Ile Glu Lys Val Leu Glu Asn Asn Tyr
100     105     110
Thr Ala Leu Met Ser Ala Lys Tyr Ser Gly Trp Tyr Val Gly Phe Thr
115     120     125
Lys Lys Gly Arg Pro Arg Lys Gly Pro Lys Thr Arg Glu Asn Gln Gln
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Asp Val His Phe Met Lys Arg Tyr Pro Lys Gly Gln Pro Glu Leu Gln
145     150     155     160
Lys Pro Phe Lys Tyr Thr Thr Val Thr Lys
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<210> 3

<211> 139

<212> PRT

<213> artificial

<220>

<223> recombinant BMP-7 (Eptotermin alfa)

<400> 1

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Asp Gln Arg Gln Ala Cys Lys Lys His Glu Leu Tyr Val Ser Phe Arg
35      40      45
Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu Gly Tyr Ala Ala
50      55      60
Tyr Tyr Cys Glu Gly Glu Cys Ala Phe Pro Leu Asn Ser Tyr Met Asn
65      70      75      80
Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His Phe Ile Asn Pro
85      90      95
Glu Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln Leu Asn Ala Ile

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105
110

Ser Val Leu Tyr Phe Asp Asp Ser Ser Asn Val Ile Leu Lys Lys Tyr
115 120 125

Arg Asn Met Val Val Arg Ala Cys Gly Cys His
130 135