

SEQUENCE LISTING

<110> Regeneron Pharmaceuticals, Inc.

<120> Matrix Extracellular Phosphoglycoprotein (MEPE) Variants And Uses Thereof

<130> 189238.02402 (3170)

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<170> PatentIn version 3.5

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uccuuggggg aaauuuugcu aucuuauuag ucacaguaua aaauucuaau aaaggcuaua	1860
auguuuuuaa gcaaaaaaaaa aucuuuacag aucuaugaaa uagguaacau uugaguaggu	1920
gucauuuuaa aaauaguugu gaaugucaca aaugccuuu auguuguuug cucuguagac	1980
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<213> homo sapien

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<212> PRT
<213> homo sapien

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```

```

Ala Pro Thr Phe Gln Pro Gln Thr Glu Lys Thr Lys Gln Ser Cys Val
          20          25          30

```

```

Glu Glu Gln Arg Gln Glu Glu Lys Asn Lys Asp Asn Ile Gly Phe His
          35          40          45

```

```

His Leu Gly Lys Arg Ile Asn Gln Glu Leu Ser Ser Lys Glu Asn Ile
          50          55          60

```

```

Val Gln Glu Arg Lys Lys Asp Leu Ser Leu Ser Glu Ala Ser Glu Asn
65          70          75          80

```

Lys Gly Ser Ser Lys Ser Gln Asn Tyr Phe Thr Asn Arg Gln Arg Leu
85 90 95

Asn Lys Glu Tyr Ser Ile Ser Asn Lys Glu Asn Thr His Asn Gly Leu
100 105 110

Arg Met Ser Ile Tyr Pro Lys Ser Thr Gly Asn Lys Gly Phe Glu Asp
115 120 125

Gly Asp Asp Ala Ile Ser Lys Leu His Asp Gln Glu Glu Tyr Gly Ala
130 135 140

Ala Leu Ile Arg Asn Asn Met Gln His Ile Met Gly Pro Val Thr Ala
145 150 155 160

Ile Lys Leu Leu Gly Glu Glu Asn Lys Glu Asn Thr Pro Arg Asn Val
165 170 175

Leu Asn Ile Ile Pro Ala Ser Met Asn Tyr Ala Lys Ala His Ser Lys
180 185 190

Asp Lys Lys Lys Pro Gln Arg Asp Ser Gln Ala Gln Lys Ser Pro Val
195 200 205

Lys Ser Lys Ser Thr His Arg Ile Gln His Asn Ile Asp Tyr Leu Lys
210 215 220

His Leu Ser Lys Val Lys Lys Ile Pro Ser Asp Phe Glu Gly Ser Gly
225 230 235 240

Tyr Thr Asp Leu Gln Glu Arg Gly Asp Asn Asp Ile Ser Pro Phe Ser
245 250 255

Gly Asp Gly Gln Pro Phe Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr
260 265 270

Gly Pro Asp Leu Glu Gly Lys Asp Ile Gln Thr Gly Phe Ala Gly Pro

275

280

285

Ser Glu Ala Glu Ser Thr His Leu Asp Thr Lys Lys Pro Gly Tyr Asn
290 295 300

Glu Ile Pro Glu Arg Glu Glu Asn Gly Gly Asn Thr Ile Gly Thr Arg
305 310 315 320

Asp Glu Thr Ala Lys Glu Ala Asp Ala Val Asp Val Ser Leu Val Glu
325 330 335

Gly Ser Asn Asp Ile Met Gly Ser Thr Asn Phe Lys Glu Leu Pro Gly
340 345 350

Arg Glu Gly Asn Arg Val Asp Ala Gly Ser Gln Asn Ala His Gln Gly
355 360 365

Lys Val Glu Phe His Tyr Pro Pro Ala Pro Ser Lys Glu Lys Arg Lys
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Glu Gly Ser Ser Asp Ala Ala Glu Ser Thr Asn Tyr Asn Glu Ile Pro
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Lys Asn Gly Lys Gly Ser Thr Arg Lys Gly Val Asp His Ser Asn Arg
405 410 415

Asn Gln Ala Thr Leu Asn Glu Lys Gln Arg Phe Pro Ser Lys Gly Lys
420 425 430

Ser Gln Gly Leu Pro Ile Pro Ser Arg Gly Leu Asp Asn Glu Ile Lys
435 440 445

Asn Glu Met Asp Ser Phe Asn Gly Pro Ser His Glu Asn Ile Ile Thr
450 455 460

His Gly Arg Lys Tyr His Tyr Val Pro His Arg Gln Asn Asn Ser Thr
465 470 475 480

Arg Asn Lys Gly Met Pro Gln Gly Lys Gly Ser Trp Gly Arg Gln Pro
485 490 495

His Ser Asn Arg Arg Phe Ser Ser Arg Arg Arg Asp Asp Ser Ser Glu
500 505 510

Ser Ser Asp Ser Gly Ser Ser Ser Glu Ser Asp Gly Asp
515 520 525