

386003-Generic.txt
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<110> ABBOTT BIOTHERAPEUTICS CORP.

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<151> 2011-05-27

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<170> PatentIn version 3.5

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<212> DNA

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<223> Description of Artificial Sequence: Synthetic polynucleotide

<220>

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<222> (1)..(699)

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Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro

1

5

10

15

gga tca acc gga gat att cag atg acc cag tct cca tct acc ctc tct

96

Gly Ser Thr Gly Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser

20

25

30

gct agc gtc ggg gat agg gtc acc ata acc tgc tct gcc agc tca agt

144

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser

35

40

45

ata agt tac atg cac tgg tac cag cag aag cca ggc aaa gct ccc aag

192

Ile Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys

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50

55

60

ctt cta att tat acc aca tcc aac ctg gct tct gga gtc cct gct cgc

240

Leu Leu Ile Tyr Thr Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg

65

70

75

80

ttc agt ggc agt gga tct ggg acc gag ttc acc ctc aca atc agc tct

288

Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser

85

90

95

ctg cag cca gat gat ttc gcc act tat tac tgc cat caa agg agt act

336

Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys His Gln Arg Ser Thr

100

105

110

tac cca ctc acg ttc ggt cag ggg acc aag gtg gag gtc aaa cga act

384

Tyr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Val Lys Arg Thr

115

120

125

gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat gag cag ttg

432

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu

130

135

140

aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac ttc tat ccc

480

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro

145

150

155

160

aga gag gcc aaa gta cag tgg aag gtg gat aac gcc ctc caa tcg ggt

528

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly

165

170

175

aac tcc cag gag agt gtc aca gag cag gac agc aag gac agc acc tac

576

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr

180

185

190

agc ctc agc agc acc ctg acg ctg agc aaa gca gac tac gag aaa cac

624

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His

195

200

205

aaa gtc tac gcc tgc gaa gtc acc cat cag ggc ctg agc tcg ccc gtc

672

Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val

210

215

220

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702

Thr Lys Ser Phe Asn Arg Gly Glu Cys

225

230

<210> 2

<211> 233

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

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Gly Ser Thr Gly Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser
20 25 30

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser
35 40 45

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Ile Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
50 55 60

Leu Leu Ile Tyr Thr Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg
65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser
85 90 95

Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys His Gln Arg Ser Thr
100 105 110

Tyr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Val Lys Arg Thr
115 120 125

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
130 135 140

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro
145 150 155 160

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
165 170 175

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
180 185 190

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
195 200 205

Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val
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Thr Lys Ser Phe Asn Arg Gly Glu Cys
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<211> 1398

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polynucleotide

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<221> CDS

<222> (1)..(1395)

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1

5

10

15

gtg cac tct cag gtc cag ctt gtc cag tct ggg gct gaa gtc aag aaa

96

Val His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys

20

25

30

cct ggc tcg agc gtg aag gtc tcc tgc aag gct tct ggc tac acc ttt

144

Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe

35

40

45

act agc tac agg atg cac tgg gta agg cag gcc cct gga cag ggt ctg

192

Thr Ser Tyr Arg Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu

50

55

60

gaa tgg att gga tat att aat ccg tcg act ggg tat act gaa tac aat

240

Glu Trp Ile Gly Tyr Ile Asn Pro Ser Thr Gly Tyr Thr Glu Tyr Asn

65

70

75

80

cag aag ttc aag gac aag gca aca att act gca gac gaa tcc acc aat

288

Gln Lys Phe Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn

85

90

95

aca gcc tac atg gaa ctg agc agc ctg aga tct gag gac acc gca gtc

336

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val

100

105

110

tat tac tgt gca aga ggg ggg ggg gtc ttt gac tac tgg ggc caa gga

384

Tyr Tyr Cys Ala Arg Gly Gly Gly Val Phe Asp Tyr Trp Gly Gln Gly

115

120

125

acc ctg gtc aca gtc tcc tca gcc tcc acc aag ggc cca tcg gtc ttc

432

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe

130

135

140

ccc ctg gca ccc tcc tcc aag agc acc tct ggg ggc aca gcg gcc ctg

480

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu

145

150

155

160

ggc tgc ctg gtc aag gac tac ttc ccc gaa ccg gtg acg gtg tcg tgg

528

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp

165

170

175

aac tca ggc gcc ctg acc agc ggc gtg cac acc ttc ccg gct gtc cta

576

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu

180

185

190

cag tcc tca gga ctc tac tcc ctc agc agc gtg gtg acc gtg ccc tcc

624

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser

195

200

205

agc agc ttg ggc acc cag acc tac atc tgc aac gtg aat cac aag ccc

672

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro

210

215

220

386003-Generic.txt

agc aac acc aag gtg gac aag aaa gtt gag ccc aaa tct tgt gac aaa

720

Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys

225

230

235

240

act cac aca tgc cca ccg tgc cca gca cct gaa ctc ctg ggg gga ccg

768

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro

245

250

255

tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc atg atc tcc

816

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser

260

265

270

cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc cac gaa gac

864

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp

275

280

285

cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag gtg cat aat

912

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn

290

295

300

gcc aag aca aag ccg cgg gag gag cag tac aac agc acg tac cgt gtg

960

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val

305

310

315

320

gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat ggc aag gag

1008

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu

325

330

335

386003-Generic.txt

tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc atc gag aaa

1056

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys

340

345

350

acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag gtg tac acc

1104

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr

355

360

365

ctg ccc cca tcc cgg gat gag ctg acc aag aac cag gtc agc ctg acc

1152

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr

370

375

380

tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg gag tgg gag

1200

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu

385

390

395

400

agc aat ggg cag ccg gag aac aac tac aag acc acg cct ccc gtg ctg

1248

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu

405

410

415

gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc gtg gac aag

1296

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys

420

425

430

agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg atg cat gag

1344

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu

386003-Generic.txt

435

440

445

gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg tct ccg ggt

1392

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly

450

455

460

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1398

Lys

465

<210> 4

<211> 465

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

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Val His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys
20 25 30

Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe
35 40 45

Thr Ser Tyr Arg Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu
50 55 60

Glu Trp Ile Gly Tyr Ile Asn Pro Ser Thr Gly Tyr Thr Glu Tyr Asn
65 70 75 80

Gln Lys Phe Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn
85 90 95

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val
100 105 110

Tyr Tyr Cys Ala Arg Gly Gly Gly Val Phe Asp Tyr Trp Gly Gln Gly
115 120 125

386003-Generic.txt

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
 130 135 140
 Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
 145 150 155 160
 Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
 165 170 175
 Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
 180 185 190
 Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
 195 200 205
 Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
 210 215 220
 Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
 225 230 235 240
 Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
 245 250 255
 Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
 260 265 270
 Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
 275 280 285
 Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
 290 295 300
 Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
 305 310 315 320
 Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
 325 330 335
 Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
 340 345 350
 Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
 355 360 365
 Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
 370 375 380
 Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
 385 390 395 400

386003-Generic.txt

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
405 410 415

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
420 425 430

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
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Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
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Lys
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<212> DNA
<213> Artificial Sequence

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Page 14

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