

SEQUENCE LISTING

<110> AlphaCore Pharma LLC

<120> METHODS OF TREATING AND PROTECTING AGAINST CARDIAC DISEASE,
CARDIOVASCULAR DISEASE AND RELATED CONDITIONS AND SYMPTOMS

<130> LCAT-200-WO-PCT

<160> 3

<170> PatentIn version 3.5

<210> 1

<211> 440

<212> PRT

<213> Homo sapiens

<400> 1

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Pro Pro His Thr Thr Pro Lys Ala Glu Leu Ser Asn His Thr Arg Pro
35 40 45

Val Ile Leu Val Pro Gly Cys Leu Gly Asn Gln Leu Glu Ala Lys Leu
50 55 60

Asp Lys Pro Asp Val Val Asn Trp Met Cys Tyr Arg Lys Thr Glu Asp
65 70 75 80

Phe Phe Thr Ile Trp Leu Asp Leu Asn Met Phe Leu Pro Leu Gly Val
85 90 95

Asp Cys Trp Ile Asp Asn Thr Arg Val Val Tyr Asn Arg Ser Ser Gly
100 105 110

Leu Val Ser Asn Ala Pro Gly Val Gln Ile Arg Val Pro Gly Phe Gly
115 120 125

Lys Thr Tyr Ser Val Glu Tyr Leu Asp Ser Ser Lys Leu Ala Gly Tyr
130 135 140

Leu His Thr Leu Val Gln Asn Leu Val Asn Asn Gly Tyr Val Arg Asp
145 150 155 160

Glu Thr Val Arg Ala Ala Pro Tyr Asp Trp Arg Leu Glu Pro Gly Gln
165 170 175

Gln Glu Glu Tyr Tyr Arg Lys Leu Ala Gly Leu Val Glu Glu Met His
180 185 190

Ala Ala Tyr Gly Lys Pro Val Phe Leu Ile Gly His Ser Leu Gly Cys
195 200 205

Leu His Leu Leu Tyr Phe Leu Leu Arg Gln Pro Gln Ala Trp Lys Asp
210 215 220

Arg Phe Ile Asp Gly Phe Ile Ser Leu Gly Ala Pro Trp Gly Gly Ser
225 230 235 240

Ile Lys Pro Met Leu Val Leu Ala Ser Gly Asp Asn Gln Gly Ile Pro
245 250 255

Ile Met Ser Ser Ile Lys Leu Lys Glu Glu Gln Arg Ile Thr Thr Thr
260 265 270

Ser Pro Trp Met Phe Pro Ser Arg Met Ala Trp Pro Glu Asp His Val
275 280 285

Phe Ile Ser Thr Pro Ser Phe Asn Tyr Thr Gly Arg Asp Phe Gln Arg
290 295 300

Phe Phe Ala Asp Leu His Phe Glu Glu Gly Trp Tyr Met Trp Leu Gln
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Ser Arg Asp Leu Leu Ala Gly Leu Pro Ala Pro Gly Val Glu Val Tyr
325 330 335

Cys Leu Tyr Gly Val Gly Leu Pro Thr Pro Arg Thr Tyr Ile Tyr Asp
340 345 350

His Gly Phe Pro Tyr Thr Asp Pro Val Gly Val Leu Tyr Glu Asp Gly
355 360 365

Asp Asp Thr Val Ala Thr Arg Ser Thr Glu Leu Cys Gly Leu Trp Gln
370 375 380

Gly Arg Gln Pro Gln Pro Val His Leu Leu Pro Leu His Gly Ile Gln
385 390 395 400

His Leu Asn Met Val Phe Ser Asn Leu Thr Leu Glu His Ile Asn Ala
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Ile Leu Leu Gly Ala Tyr Arg Gln Gly Pro Pro Ala Ser Pro Thr Ala
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Ser Pro Glu Pro Pro Pro Pro Glu
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<212> PRT
<213> Homo sapiens

<400> 2

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Gly Asn Gln Leu Glu Ala Lys Leu Asp Lys Pro Asp Val Val Asn Trp
35 40 45

Met Cys Tyr Arg Lys Thr Glu Asp Phe Phe Thr Ile Trp Leu Asp Leu
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Asn Met Phe Leu Pro Leu Gly Val Asp Cys Trp Ile Asp Asn Thr Arg
65 70 75 80

Val Val Tyr Asn Arg Ser Ser Gly Leu Val Ser Asn Ala Pro Gly Val
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Gln Ile Arg Val Pro Gly Phe Gly Lys Thr Tyr Ser Val Glu Tyr Leu
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Asp Ser Ser Lys Leu Ala Gly Tyr Leu His Thr Leu Val Gln Asn Leu
115 120 125

Val Asn Asn Gly Tyr Val Arg Asp Glu Thr Val Arg Ala Ala Pro Tyr
130 135 140

Asp Trp Arg Leu Glu Pro Gly Gln Gln Glu Glu Tyr Tyr Arg Lys Leu
145 150 155 160

Ala Gly Leu Val Glu Glu Met His Ala Ala Tyr Gly Lys Pro Val Phe
165 170 175

Leu Ile Gly His Ser Leu Gly Cys Leu His Leu Leu Tyr Phe Leu Leu
180 185 190

Arg Gln Pro Gln Ala Trp Lys Asp Arg Phe Ile Asp Gly Phe Ile Ser
195 200 205

Leu Gly Ala Pro Trp Gly Gly Ser Ile Lys Pro Met Leu Val Leu Ala
210 215 220

Ser Gly Asp Asn Gln Gly Ile Pro Ile Met Ser Ser Ile Lys Leu Lys
225 230 235 240

Glu Glu Gln Arg Ile Thr Thr Thr Ser Pro Trp Met Phe Pro Ser Arg
245 250 255

Met Ala Trp Pro Glu Asp His Val Phe Ile Ser Thr Pro Ser Phe Asn
260 265 270

Tyr Thr Gly Arg Asp Phe Gln Arg Phe Phe Ala Asp Leu His Phe Glu
275 280 285

Glu Gly Trp Tyr Met Trp Leu Gln Ser Arg Asp Leu Leu Ala Gly Leu
290 295 300

Pro Ala Pro Gly Val Glu Val Tyr Cys Leu Tyr Gly Val Gly Leu Pro

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Leu	Thr	Leu	Glu	His	Ile	Asn	Ala	Ile	Leu	Leu	Gly	Ala	Tyr	Arg	Gln
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 <212> DNA
 <213> Homo sapiens

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