

SEQUENCE LISTING

<110> The Board of Trustees-Leland Stanfod Junior University
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<120> SYNTHEKINE COMPOSITIONS AND METHODS OF USE

<130> STAN-1402W0

<150> 62/479,993

<151> 2017-03-31

<160> 2

<170> PatentIn version 3.5

<210> 1

<211> 351

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide

<400> 1

Ala	Arg	Gly	Cys	His	Ile	Ala	Gln	Phe	Lys	Ser	Leu	Ser	Pro	Ala	Glu
1				5					10					15	

Leu	Gln	Ala	Phe	Lys	Arg	Ala	Lys	Asp	Ala	Leu	Glu	Glu	Ser	Leu	Leu
			20					25					30		

Leu	Lys	Asp	Cys	Lys	Cys	Arg	Ser	Arg	Leu	Phe	Pro	Arg	Thr	Trp	Asp
		35					40					45			

Leu	Arg	Gln	Leu	Gln	Val	Arg	Glu	Arg	Pro	Val	Ala	Leu	Glu	Ala	Glu
	50					55					60				

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

Ala	Leu	Gly	Asp	Val	Leu	Asp	Ala	Pro	Leu	Ala	Thr	Leu	His	His	Ile
				85					90					95	

Leu Ser Gln Leu Arg Ala Cys Ile Gln Pro Gln Pro Thr Ala Gly Pro
100 105 110

Arg Thr Arg Gly Arg Leu His Arg Trp Leu His Arg Leu Gln Glu Ala
115 120 125

Pro Lys Lys Glu Ser Pro Gly Cys Leu Glu Ala Ser Val Thr Phe Asn
130 135 140

Leu Phe Arg Leu Leu Ala Arg Asp Leu Asn Cys Val Ala Ser Gly Asp
145 150 155 160

Leu Cys Glu Gly Ser Gly Ser Gly Leu Gly Cys Asp Leu Pro Gln Asn
165 170 175

His Gly Leu Leu Ser Ala Asn Thr Leu Val Leu Leu His Gln Met Arg
180 185 190

Arg Ile Ser Pro Phe Leu Cys Ala Lys Asp Ala Arg Asp Phe Arg Phe
195 200 205

Pro Gln Glu Met Val Lys Gly Ser Gln Leu Gln Lys Ala His Val Met
210 215 220

Ser Val Leu His Glu Met Leu Gln Gln Ile Phe Ser Leu Phe His Thr
225 230 235 240

Glu Arg Ser Ser Ala Ala Trp Asn Met Thr Leu Leu Asp Gln Leu His
245 250 255

Thr Gly Leu His Gln Gln Leu Gln His Leu Glu Thr Cys Leu Leu Gln
260 265 270

Val Val Gly Glu Gly Glu Ser Ala Gly Ala Ile Ser Ser Pro Ala Leu
275 280 285

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

290

295

300

Lys Tyr Ser Asp Cys Ala Trp Glu Val Val Arg Met Glu Ile Met Ala
 305 310 315 320

Ser Leu Phe Leu Ser Thr Asn Met Gln Glu Arg Leu Arg Ser Lys Asp
 325 330 335

Arg Asp Leu Gly Ser Ser Ala Ala Ala His His His His His His
 340 345 350

<210> 2

<211> 313

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic polypeptide

<400> 2

Met Lys Thr Ile Ile Ala Leu Ser Tyr Ile Phe Cys Leu Val Phe Ala
 1 5 10 15

Gly Ser His Ile His Gly Cys Asp Lys Asn His Leu Arg Glu Ile Ile
 20 25 30

Gly Ile Leu Asn Glu Val Thr Gly Glu Gly Thr Pro Cys Thr Glu Met
 35 40 45

Asp Val Pro Asn Val Leu Thr Ala Thr Lys Asn Thr Thr Glu Ser Glu
 50 55 60

Leu Val Cys Arg Ala Ser Lys Val Leu Arg Ile Phe Tyr Leu Lys His
 65 70 75 80

Gly Lys Thr Pro Cys Leu Lys Lys Asn Ser Ser Val Leu Met Glu Leu
 85 90 95

Gln Arg Leu Phe Arg Ala Phe Arg Cys Leu Asp Ser Ser Ile Ser Cys

100

105

110

Thr Met Asn Glu Ser Lys Ser Thr Ser Leu Lys Asp Phe Leu Glu Ser
 115 120 125

Leu Lys Ser Ile Met Asp Met Asp Asp Ser Gly Ser Gly Ser Gly Ile
 130 135 140

Asn Tyr Lys Gln Leu Gln Leu Gln Glu Arg Thr Asn Ile Ala Lys Cys
 145 150 155 160

Gln Glu Leu Leu Glu Gln Leu Asn Gly Lys Ile Asn Ala Thr Tyr Ala
 165 170 175

Ala Asp Phe Lys Ile Pro Met Glu Met Thr Glu Lys Met Gln Lys Ser
 180 185 190

Tyr Thr Ala Phe Ala Ile Gln Glu Met Leu Gln Asn Val Phe Leu Val
 195 200 205

Phe Arg Asn Asn Phe Ser Ser Thr Gly Trp Asn Glu Thr Ile Val Val
 210 215 220

Arg Leu Leu Asp Glu Leu His Gln Gln Thr Val Phe Leu Lys Thr Val
 225 230 235 240

Leu Glu Glu Lys Gln Glu Glu Arg Leu Thr Trp Glu Met Ser Ser Thr
 245 250 255

Ala Leu His Leu Lys Ser Tyr Tyr Trp Arg Val Gln Arg Tyr Leu Lys
 260 265 270

Leu Met Lys Tyr Asn Ser Tyr Ala Trp Met Val Val Arg Ala Glu Ile
 275 280 285

Phe Ala Asn Phe Leu Ile Ile Arg Arg Leu Thr Arg Asn Phe Gln Asn
 290 295 300

Ala Ala Ala His His His His His His
305 310