

SEQUENCE LISTING

<110> Novo Nordisk A/S

<120> G6PC2-ENCODED BETA CELL SURFACE TAGS

<130> 7855.204-WO

<160> 8

<170> PatentIn version 3.3

<210> 1

<211> 355

<212> PRT

<213> Homo sapiens

<400> 1

Met	Asp	Phe	Leu	His	Arg	Asn	Gly	Val	Leu	Ile	Ile	Gln	His	Leu	Gln
1				5					10					15	

Lys	Asp	Tyr	Arg	Ala	Tyr	Tyr	Thr	Phe	Leu	Asn	Phe	Met	Ser	Asn	Val
			20					25					30		

Gly	Asp	Pro	Arg	Asn	Ile	Phe	Phe	Ile	Tyr	Phe	Pro	Leu	Cys	Phe	Gln
		35					40					45			

Phe	Asn	Gln	Thr	Val	Gly	Thr	Lys	Met	Ile	Trp	Val	Ala	Val	Ile	Gly
	50					55					60				

Asp	Trp	Leu	Asn	Leu	Ile	Phe	Lys	Trp	Ile	Leu	Phe	Gly	His	Arg	Pro
65					70					75					80

Tyr	Trp	Trp	Val	Gln	Glu	Thr	Gln	Ile	Tyr	Pro	Asn	His	Ser	Ser	Pro
				85					90					95	

Cys	Leu	Glu	Gln	Phe	Pro	Thr	Thr	Cys	Glu	Thr	Gly	Pro	Gly	Ser	Pro
			100					105					110		

Ser	Gly	His	Ala	Met	Gly	Ala	Ser	Cys	Val	Trp	Tyr	Val	Met	Val	Thr
		115					120					125			

Ala	Ala	Leu	Ser	His	Thr	Val	Cys	Gly	Met	Asp	Lys	Phe	Ser	Ile	Thr
		130				135					140				

Leu	His	Arg	Leu	Thr	Trp	Ser	Phe	Leu	Trp	Ser	Val	Phe	Trp	Leu	Ile
145					150					155					160

Gln Ile Ser Val Cys Ile Ser Arg Val Phe Ile Ala Thr His Phe Pro
165 170 175

His Gln Val Ile Leu Gly Val Ile Gly Gly Met Leu Val Ala Glu Ala
180 185 190

Phe Glu His Thr Pro Gly Ile Gln Thr Ala Ser Leu Gly Thr Tyr Leu
195 200 205

Lys Thr Asn Leu Phe Leu Phe Leu Phe Ala Val Gly Phe Tyr Leu Leu
210 215 220

Leu Arg Val Leu Asn Ile Asp Leu Leu Trp Ser Val Pro Ile Ala Lys
225 230 235 240

Lys Trp Cys Ala Asn Pro Asp Trp Ile His Ile Asp Thr Thr Pro Phe
245 250 255

Ala Gly Leu Val Arg Asn Leu Gly Val Leu Phe Gly Leu Gly Phe Ala
260 265 270

Ile Asn Ser Glu Met Phe Leu Leu Ser Cys Arg Gly Gly Asn Asn Tyr
275 280 285

Thr Leu Ser Phe Arg Leu Leu Cys Ala Leu Thr Ser Leu Thr Ile Leu
290 295 300

Gln Leu Tyr His Phe Leu Gln Ile Pro Thr His Glu Glu His Leu Phe
305 310 315 320

Tyr Val Leu Ser Phe Cys Lys Ser Ala Ser Ile Pro Leu Thr Val Val
325 330 335

Ala Phe Ile Pro Tyr Ser Val His Met Leu Met Lys Gln Ser Gly Lys
340 345 350

Lys Ser Gln
355

<210> 2
<211> 355
<212> PRT

<213> Homo sapiens

<400> 2

Met Asp Phe Leu His Arg Ser Gly Val Leu Ile Ile His His Leu Gln
1 5 10 15

Glu Asp Tyr Arg Thr Tyr Tyr Gly Phe Leu Asn Phe Met Ser Asn Val
20 25 30

Gly Asp Pro Arg Asn Ile Phe Ser Ile Tyr Phe Pro Leu Trp Phe Gln
35 40 45

Leu Asn Gln Asn Val Gly Thr Lys Met Ile Trp Val Ala Val Ile Gly
50 55 60

Asp Trp Phe Asn Leu Ile Phe Lys Trp Ile Leu Phe Gly His Arg Pro
65 70 75 80

Tyr Trp Trp Ile Gln Glu Thr Glu Ile Tyr Pro Asn His Ser Ser Pro
85 90 95

Cys Leu Glu Gln Phe Pro Thr Thr Cys Glu Thr Gly Pro Gly Ser Pro
100 105 110

Ser Gly His Ala Met Gly Ser Ser Cys Val Trp Tyr Val Met Val Thr
115 120 125

Ala Ala Leu Ser Tyr Thr Ile Ser Arg Met Glu Glu Ser Ser Val Thr
130 135 140

Leu His Arg Leu Thr Trp Ser Phe Leu Trp Ser Val Phe Trp Leu Ile
145 150 155 160

Gln Ile Ser Val Cys Ile Ser Arg Val Phe Ile Ala Thr His Phe Pro
165 170 175

His Gln Val Ile Leu Gly Val Ile Gly Gly Met Leu Val Ala Glu Ala
180 185 190

Phe Glu His Thr Pro Gly Val His Met Ala Ser Leu Ser Val Tyr Leu
195 200 205

Lys Thr Asn Val Phe Leu Phe Leu Phe Ala Leu Gly Phe Tyr Leu Leu

210	215	220
Leu Arg Leu Phe Gly Ile Asp Leu Leu Trp Ser Val Pro Ile Ala Lys		
225	230	235 240
Lys Trp Cys Ala Asn Pro Asp Trp Ile His Ile Asp Ser Thr Pro Phe		
	245	250 255
Ala Gly Leu Val Arg Asn Leu Gly Val Leu Phe Gly Leu Gly Phe Ala		
	260	265 270
Ile Asn Ser Glu Met Phe Leu Arg Ser Cys Gln Gly Glu Asn Gly Thr		
	275	280 285
Lys Pro Ser Phe Arg Leu Leu Cys Ala Leu Thr Ser Leu Thr Thr Met		
	290	295 300
Gln Leu Tyr Arg Phe Ile Lys Ile Pro Thr His Ala Glu Pro Leu Phe		
305	310	315 320
Tyr Leu Leu Ser Phe Cys Lys Ser Ala Ser Ile Pro Leu Met Val Val		
	325	330 335
Ala Leu Ile Pro Tyr Cys Val His Met Leu Met Arg Pro Gly Asp Lys		
	340	345 350
Lys Thr Lys		
	355	

<210> 3
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 3

Met Asp Phe Leu His Arg Asn Gly Val Leu Ile Ile Gln His Leu Gln
1 5 10 15

Lys Asp Tyr Arg Ala Tyr Tyr Thr
20

<210> 4
 <211> 20
 <212> PRT

<213> Homo sapiens

<400> 4

Met Leu Val Ala Glu Ala Phe Glu His Thr Pro Gly Ile Gln Thr Ala
1 5 10 15

Ser Leu Gly Thr
20

<210> 5

<211> 10

<212> PRT

<213> Homo sapiens

<400> 5

Leu Leu Ser Cys Arg Gly Gly Asn Asn Tyr
1 5 10

<210> 6

<211> 12

<212> PRT

<213> Homo sapiens

<400> 6

His Met Leu Met Lys Gln Ser Gly Lys Lys Ser Gln
1 5 10

<210> 7

<211> 102

<212> PRT

<213> Homo sapiens

<400> 7

Met Asp Phe Leu His Arg Asn Gly Val Leu Ile Ile Gln His Leu Gln
1 5 10 15

Lys Asp Tyr Arg Ala Tyr Tyr Thr Phe Leu Asn Phe Met Ser Asn Val
20 25 30

Gly Asp Pro Arg Asn Ile Phe Phe Ile Tyr Phe Pro Leu Cys Phe Gln
35 40 45

Phe Asn Gln Thr Val Gly Thr Lys Met Ile Trp Val Ala Val Ile Gly
50 55 60

Asp Trp Leu Asn Leu Ile Phe Lys Trp Lys Ser Ile Trp Pro Cys Asn
65 70 75 80

Gly Arg Ile Leu Cys Leu Val Cys His Gly Asn Arg Cys Pro Glu Pro
85 90 95

His Cys Leu Trp Asp Gly
100

<210> 8
<211> 14
<212> PRT
<213> Homo sapiens

<400> 8

Met Leu Val Ala Glu Ala Phe Glu His Thr Pro Gly Ile Gln
1 5 10