

SEQUENCE LISTING

<110> SUNTORY HOLDINGS LIMITED

<120> Glycated protein

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<151> 2019-12-27

<160> 5

<170> PatentIn version 3.5

<210> 1

<211> 399

<212> PRT

<213> Hordeum vulgare

<400> 1

Met Ala Thr Thr Leu Ala Thr Asp Val Arg Leu Ser Ile Ala His Gln
1 5 10 15

Thr Arg Phe Ala Leu Arg Leu Arg Ser Ala Ile Ser Ser Asn Pro Glu
20 25 30

Arg Ala Ala Gly Asn Val Ala Phe Ser Pro Leu Ser Leu His Val Ala
35 40 45

Leu Ser Leu Ile Thr Ala Gly Ala Ala Ala Thr Arg Asp Gln Leu Val
50 55 60

Ala Ile Leu Gly Asp Gly Gly Ala Gly Asp Ala Lys Glu Leu Asn Ala
65 70 75 80

Leu Ala Glu Gln Val Val Gln Phe Val Leu Ala Asn Glu Ser Ser Thr
85 90 95

Gly Gly Pro Arg Ile Ala Phe Ala Asn Gly Ile Phe Val Asp Ala Ser
100 105 110

Leu Ser Leu Lys Pro Ser Phe Glu Glu Leu Ala Val Cys Gln Tyr Lys
115 120 125

Ala Lys Thr Gln Ser Val Asp Phe Gln His Lys Thr Leu Glu Ala Val
130 135 140

Gly Gln Val Asn Ser Trp Val Glu Gln Val Thr Thr Gly Leu Ile Lys
145 150 155 160

Gln Ile Leu Pro Pro Gly Ser Val Asp Asn Thr Thr Lys Leu Ile Leu
165 170 175

Gly Asn Ala Leu Tyr Phe Lys Gly Ala Trp Asp Gln Lys Phe Asp Glu
180 185 190

Ser Asn Thr Lys Cys Asp Ser Phe His Leu Leu Asp Gly Ser Ser Ile
195 200 205

Gln Thr Gln Phe Met Ser Ser Thr Lys Lys Gln Tyr Ile Ser Ser Ser
210 215 220

Asp Asn Leu Lys Val Leu Lys Leu Pro Tyr Ala Lys Gly His Asp Lys
225 230 235 240

Arg Gln Phe Ser Met Tyr Ile Leu Leu Pro Gly Ala Gln Asp Gly Leu
245 250 255

Trp Ser Leu Ala Lys Arg Leu Ser Thr Glu Pro Glu Phe Ile Glu Asn
260 265 270

His Ile Pro Lys Gln Thr Val Glu Val Gly Arg Phe Gln Leu Pro Lys
275 280 285

Phe Lys Ile Ser Tyr Gln Phe Glu Ala Ser Ser Leu Leu Arg Ala Leu
290 295 300

Gly Leu Gln Leu Pro Phe Ser Glu Glu Ala Asp Leu Ser Glu Met Val
305 310 315 320

Asp Ser Ser Gln Gly Leu Glu Ile Ser His Val Phe His Lys Ser Phe
325 330 335

Val Glu Val Asn Glu Glu Gly Thr Glu Ala Gly Ala Ala Thr Val Ala
340 345 350

Met Gly Val Ala Met Ser Met Pro Leu Lys Val Asp Leu Val Asp Phe
355 360 365

Val Ala Asn His Pro Phe Leu Phe Leu Ile Arg Glu Asp Ile Ala Gly
370 375 380

Val Val Val Phe Val Gly His Val Thr Asn Pro Leu Ile Ser Ala
385 390 395

<210> 2
<211> 397
<212> PRT
<213> Hordeum vulgare

<400> 2

Met Ala Thr Thr Leu Thr Thr Asp Leu Arg Leu Ser Ile Ala His Gln
1 5 10 15

Thr Arg Phe Gly Leu Arg Leu Ala Ser Ala Ile Ser Ser Asp Pro Glu
20 25 30

Ser Ala Ala Thr Asn Val Ala Phe Ser Pro Val Ser Leu His Val Ala
35 40 45

Leu Ser Leu Val Ala Ala Gly Ala Arg Gly Ala Thr Arg Asp Gln Leu
50 55 60

Val Ala Val Leu Gly Gly Gly Gly Ala Gly Glu Ala Glu Ala Leu Gln
65 70 75 80

Ser Leu Ala Glu Gln Val Val Gln Phe Val Leu Ala Asp Ala Ser Ile
85 90 95

Asn Ser Gly Pro Arg Ile Ala Phe Ala Asn Gly Val Phe Val Asp Ala

100	105	110
Ser Leu Ser 115	Leu Lys Pro Ser Phe 120	Gln Glu Leu Ala Val Cys Asn Tyr 125
Lys Ser Glu Val Gln Ser Val 130 135	Asp Phe Lys Thr Lys Ala Pro Glu Ala 140	
Ala Ser Gln Val Asn Ser Trp Val Lys Asn Val Thr Ala Gly Leu Ile 145 150 155 160		
Glu Glu Ile Leu Pro Ala Gly Ser Ile Asp Asn Thr Thr Arg Leu Val 165 170 175		
Leu Gly Asn Ala Leu Tyr Phe Lys Gly Leu Trp Thr Lys Lys Phe Asp 180 185 190		
Glu Ser Lys Thr Lys Tyr Asp Asp Phe His Leu Leu Asn Gly Ser Thr 195 200 205		
Val Gln Thr Pro Phe Met Ser Ser Thr Asn Lys Gln Tyr Leu Ser Ser 210 215 220		
Ser Asp Gly Leu Lys Val Leu Lys Leu Pro Tyr Gln His Gly Gly Asp 225 230 235 240		
Asn Arg Gln Phe Ser Met Tyr Ile Leu Leu Pro Glu Ala His Asp Gly 245 250 255		
Leu Ser Arg Leu Ala Gln Lys Leu Ser Thr Glu Pro Asp Phe Leu Glu 260 265 270		
Asn Arg Ile Pro Thr Glu Glu Val Glu Val Gly Gln Phe Met Leu Pro 275 280 285		
Lys Phe Lys Ile Ser Phe Gly Phe Glu Ala Asn Lys Leu Leu Lys Thr 290 295 300		
Leu Gly Leu Gln Leu Pro Phe Ser Leu Glu Ala Asn Leu Ser Glu Met 305 310 315 320		
Val Asn Ser Pro Met Gly Leu Tyr Ile Ser Ser Val Phe His Lys Thr 325 330 335		
Phe Val Glu Val Asp Glu Glu Gly Thr Lys Ala Gly Ala Ala Thr Gly 340 345 350		
Asp Val Ile Val Asp Arg Ser Leu Pro Ile Arg Met Asp Phe Val Ala 355 360 365		
Asn His Pro Phe Leu Phe Leu Ile Arg Glu Asp Ile Ala Gly Val Val 370 375 380		
Leu Phe Ile Gly His Val Ala Asn Pro Ala Val Ser Ser 385 390 395		

<210> 3
<211> 33

<212> PRT
<213> Hordeum

<400> 3

Glu Ala Val Gly Gln Val Asn Ser Trp Val Glu Gln Val Thr Thr Gly
1 5 10 15

Leu Ile Lys Gln Ile Leu Pro Pro Gly Ser Val Asp Asn Thr Thr Lys
20 25 30

Leu

<210> 4
<211> 19
<212> PRT
<213> Hordeum vulgare

<400> 4

Phe Lys Gly Ala Trp Asp Gln Lys Phe Asp Glu Ser Asn Thr Lys Cys
1 5 10 15

Asp Ser Phe

<210> 5
<211> 9
<212> PRT
<213> Hordeum vulgare

<400> 5

Ser Leu Lys Pro Ser Phe Gln Glu Leu
1 5