

SEQUENCE LISTING

<110> Wellstat ImmunoTherapeutics Corporation
 <120> Enveloped Virus Resistant to Complement Inactivation for the Treatment of Cancer
 <130> 21003-PCT
 <150> US 62/504,120
 <151> 2017-05-10
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<220>
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 <222> (35)..(352)
 <223> SCR of CD55

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 <222> (368)..(388)
 <223> CD8 transmembrane domain

<220>
 <221> DOMAIN
 <222> (389)..(399)
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Trp Gly Asp Cys Gly Leu Pro Pro Asp Val Pro Asn Ala Gln Pro Ala
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Leu Glu Gly Arg Thr Ser Phe Pro Glu Asp Thr Val Ile Thr Tyr Lys
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Cys Glu Glu Ser Phe Val Lys Ile Pro Gly Glu Lys Asp Ser Val Ile
65 70 75 80

Cys Leu Lys Gly Ser Gln Trp Ser Asp Ile Glu Glu Phe Cys Asn Arg
85 90 95

Ser Cys Glu Val Pro Thr Arg Leu Asn Ser Ala Ser Leu Lys Gln Pro
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Tyr Ile Thr Gln Asn Tyr Phe Pro Val Gly Thr Val Val Glu Tyr Glu
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Cys Arg Pro Gly Tyr Arg Arg Glu Pro Ser Leu Ser Pro Lys Leu Thr
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Cys Leu Gln Asn Leu Lys Trp Ser Thr Ala Val Glu Phe Cys Lys Lys
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Lys Ser Cys Pro Asn Pro Gly Glu Ile Arg Asn Gly Gln Ile Asp Val
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Pro Gly Gly Ile Leu Phe Gly Ala Thr Ile Ser Phe Ser Cys Asn Thr
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Gly Tyr Lys Leu Phe Gly Ser Thr Ser Ser Phe Cys Leu Ile Ser Gly
195 200 205

Ser Ser Val Gln Trp Ser Asp Pro Leu Pro Glu Cys Arg Glu Ile Tyr
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Cys Pro Ala Pro Pro Gln Ile Asp Asn Gly Ile Ile Gln Gly Glu Arg
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Asp His Tyr Gly Tyr Arg Gln Ser Val Thr Tyr Ala Cys Asn Lys Gly

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

<220>
 <223> Mature fusion protein (after cleavage of signal peptide).

<220>
 <221> PEPTIDE
 <222> (1)..(318)
 <223> SCR of CD55

<220>
 <221> MISC_FEATURE
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 <223> (G4S1)3 linker

<220>
 <221> TRANSMEM
 <222> (334)..(354)
 <223> CD8 transmembrane domain

<220>
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 <223> Truncated CD8 intracellular domain

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Glu Ser Phe Val Lys Ile Pro Gly Glu Lys Asp Ser Val Ile Cys Leu
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Lys Gly Ser Gln Trp Ser Asp Ile Glu Glu Phe Cys Asn Arg Ser Cys
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Glu Val Pro Thr Arg Leu Asn Ser Ala Ser Leu Lys Gln Pro Tyr Ile
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Thr Gln Asn Tyr Phe Pro Val Gly Thr Val Val Glu Tyr Glu Cys Arg
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Pro Gly Tyr Arg Arg Glu Pro Ser Leu Ser Pro Lys Leu Thr Cys Leu
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Gln Asn Leu Lys Trp Ser Thr Ala Val Glu Phe Cys Lys Lys Lys Ser
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Cys Pro Asn Pro Gly Glu Ile Arg Asn Gly Gln Ile Asp Val Pro Gly
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Gly Ile Leu Phe Gly Ala Thr Ile Ser Phe Ser Cys Asn Thr Gly Tyr
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Lys Leu Phe Gly Ser Thr Ser Ser Phe Cys Leu Ile Ser Gly Ser Ser
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Val Gln Trp Ser Asp Pro Leu Pro Glu Cys Arg Glu Ile Tyr Cys Pro
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Ala Pro Pro Gln Ile Asp Asn Gly Ile Ile Gln Gly Glu Arg Asp His
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Tyr Gly Tyr Arg Gln Ser Val Thr Tyr Ala Cys Asn Lys Gly Phe Thr
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Met Ile Gly Glu His Ser Ile Tyr Cys Thr Val Asn Asn Asp Glu Gly
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His Phe His Glu Thr Thr Pro Asn Lys Gly Ser Gly Thr Thr Gly Gly
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Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Tyr Ile
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Trp Ala Pro Leu Ala Gly Thr Cys Gly Val Leu Leu Leu Ser Leu Val
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355

360

365