

BN75_SeqList
SEQUENCE LISTING

<110> Bavarian Nordic A/S

<120> Modulation of immune responses by the poxviral K4 protein

<130> BN75PCT

<140> not yet assigned

<141> herewith

<150> US 61/410,427

<151> 05-11-2010

<160> 6

<170> PatentIn version 3.3

<210> 1

<211> 1275

<212> DNA

<213> Poxvirus

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<223> K4L gene of VACV-WR-035

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<213> Poxvirus

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Glu Ile Leu Ser Asn Thr Thr Lys Thr Leu Asp Ile Ser Ser Phe Tyr
35 40 45

Trp Ser Leu Ser Asp Glu Val Gly Thr Asn Phe Gly Thr Ile Ile Leu
50 55 60

Asn Lys Ile Val Gln Leu Pro Lys Arg Gly Val Arg Val Arg Val Ala
65 70 75 80

Val Asn Lys Ser Asn Lys Pro Leu Lys Asp Val Glu Arg Leu Gln Met
85 90 95

Ala Gly Val Glu Val Arg Tyr Ile Asp Ile Thr Asn Ile Leu Gly Gly
100 105 110

Val Leu His Thr Lys Phe Trp Ile Ser Asp Asn Thr His Ile Tyr Leu
115 120 125

Gly Ser Ala Asn Met Asp Trp Arg Ser Leu Thr Gln Val Lys Glu Leu
130 135 140

Gly Ile Ala Ile Phe Asn Asn Arg Asn Leu Ala Ala Asp Leu Thr Gln
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Ile Phe Glu Val Tyr Trp Tyr Leu Gly Val Asn Asn Leu Pro Tyr Asn
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Trp Lys Asn Phe Tyr Pro Ser Tyr Tyr Asn Thr Asp His Pro Leu Ser
180 185 190

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ISL
220

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gatggattag gtcttcgtca acaattagaa gatattttta tgcgtgattg gaattcaaaa	1140
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<210> 4
 <211> 424
 <212> PRT
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 <223> MVA K4 homolog amino acid sequence
 <400> 4

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Glu	Ile	Leu	Ser	Asn	Thr	Thr	Lys	Thr	Leu	Asp	Ile	Ser	Ser	Phe	Tyr
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Trp	Ser	Leu	Ser	Asp	Glu	Val	Gly	Thr	Asn	Phe	Gly	Thr	Ile	Ile	Leu
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Asn	Glu	Ile	Val	Gln	Leu	Pro	Lys	Arg	Gly	Val	Arg	Val	Arg	Val	Ala
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BN75_SeqList																
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355	360	365
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370	375	380
Leu Tyr Asp Thr Ser Pro Thr Lys Arg Cys Lys Leu Leu Lys Asn Met		
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Lys Gln Cys Thr Asn Asp Ile Tyr Cys Asp Glu Ile Gln Pro Glu Lys		
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	gatatagccg	ctctaggaga gccattcagc gcaaagtgtc ctcctattga agacagtctt	240
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	aaattcagta	accgtaggta tttgtgcacc gtaactacaa agaatggtga ctgtgttcag	420
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 35 40 45

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Cys Thr Val Thr Thr Lys Asn Gly Asp Cys Val Gln Gly Ile Val Arg
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 165 170 175

Ala Lys His Tyr Asn Asn Ile Thr Trp Tyr Lys Asp Asn Lys Glu Ile
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BN75_SeqList															
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