

Polylinker Map (pSUMO Vector, T7 Kan)
Entire molecule length: 5598 bp



6x His Tag

Met Gly His His His His His His Gly Ser Asp
 ATG GGT CAT CAC CAT CAT CAT CAC GGG TCG GAC
 TAC CCA GTA GTG GTA GTA GTA GTG CCC AGC CTG

SUMO Fusion Protein

Ser Glu Val Asn Gln Glu Ala Lys Pro Glu Val Lys Pro Glu Val Lys Pro Glu Thr His Ile
 TCA GAA GTC AAT CAA GAA GCT AAG CCA GAG GTC AAG CCA GAA GTC AAG CCT GAG ACT CAC ATC
 AGT CTT CAG TTA GTT CTT CGA TTC GGT CTC CAG TTC GGT CTT CAG TTC GGA CTC TGA GTG TAG

Asn Leu Lys Val Ser Asp Gly Ser Ser Glu Ile Phe Phe Lys Ile Lys Lys Thr Thr Pro Leu
 AAT TTA AAG GTG TCC GAT GGA TCT TCA GAG ATC TTC TTC AAG ATC AAA AAG ACC ACT CCT TTA
 TTA AAT TTC CAC AGG CTA CCT AGA AGT CTC TAG AAG AAG TTC TAG TTT TTC TGG TGA GGA AAT

Arg Arg Leu Met Glu Ala Phe Ala Lys Arg Gln Gly Lys Glu Met Asp Ser Leu Arg Phe Leu
 AGA AGG CTG ATG GAA GCG TTC GCT AAA AGA CAG GGT AAG GAA ATG GAC TCC TTA AGA TTC TTG
 TCT TCC GAC TAC CTT CGC AAG CGA TTT TCT GTC CCA TTC CTT TAC CTG AGG AAT TCT AAG AAC

Tyr Asp Gly Ile Arg Ile Gln Ala Asp Gln Ala Pro Glu Asp Leu Asp Met Glu Asp Asn Asp
 TAC GAC GGT ATT AGA ATT CAA GCT GAT CAG GCC CCT GAA GAT TTG GAC ATG GAG GAT AAC GAT
 ATG CTG CCA TAA TCT TAA GTT CGA CTA GTC CGG GGA CTT CTA AAC CTG TAC CTC CTA TTG CTA

Ile Ile Glu Ala His Arg Glu Gln Ile Gly Gly
 ATT ATT GAG GCT CAC CGC GAA CAG ATT GG GATCC GAATTCGAGCTCCGTCGACAAGCTTGC GGCCGCA
 TAA TAA CTC CGA GTG GCG CTT GTC TAA CCTCCA GCTTAAGCTCGAGGCAGCTGTTGCAACGCCGGCGT

MCS

▲ **SUMO Protease cleavage site**

CTCGAGCACCACCACCACCACCCTGAGATCCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAG

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