

Product datasheet for **RR208427**

Sumo3 (NM_001024295) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sumo3 (NM_001024295) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sumo3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR208427 representing NM_001024295
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGAAGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAACGACCACATCAACCTGAAAGTGGCAGGGC
AGGATGGCTCAGTGGTGCAGTTC AAGATCAAGAGGCACACTCCGCTGAGCAAGCTGATGAAGGCCTACTG
TGAGAGGCAGGGCTTGTCAATGAGGCAGATTCGATTCGGTTTGTATGGACAACCAATCAACGAAACAGAC
ACTCCAGCCCAGCTGGAGATGGAGGATGAGGACACCATTGATGTATTCCAGCAGCAGCGGGAGGAACGG
CCTCCCGAGCCAGCGTCCCCACACCCAGCCATTTCTGACATTTGCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208427 representing NM_001024295
Red=Cloning site Green=Tags(s)
MSEEKPKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSMRQIRFRFDGQPINETD
TPAQLEMEDEDIDVVFQQTGGTASRASVPTPSHFDPICY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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RefSeq ORF: 333 bp

Locus ID: 499417

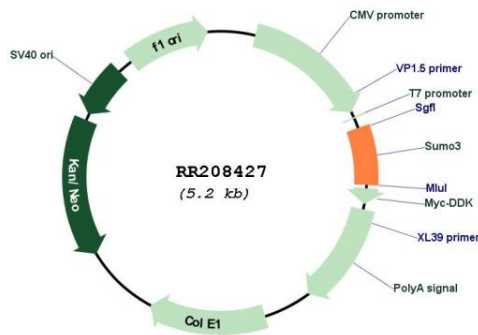
UniProt ID: [Q5XIF4](#)

Cytogenetics: 20p12

MW: 12.5 kDa

Gene Summary: Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Does not seem to be involved in protein degradation and may function as an antagonist of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Covalent attachment to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4. Plays a role in the regulation of sumoylation status of SETX (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR208427