

Product datasheet for **RN209053**

Senp7 (NM_001105888) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senp7 (NM_001105888) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Senp7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209053 representing NM_001105888 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAGGGCCAGGCCTGGGCGTGGCGAGCTTCGTGAGAGATTGTTACAGAGGGAAAAAGAAAAAGT
CATCACCTGCTGATTTACAGAAGATAACGAAGTTGTTAACTGTTAAAGTCAGAGGATGTTCTTGCTCAGTC
ACCACTGCCAAGCTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTA
GACCACAAAACCAAAAAGCTGCCCATGGGTGTCCTCTAAAGCATTACCAAAAAGGCATCTCAAAGTTA
TGGTACGAATGTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAATGATGCTAA
GTTATGTGATACCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT
CAAAGATTAGATCCTCTCACCAAAGCCTTAATTTATCTGAAAGGATACCCAGAGTTATATTGACGGATA
TTCGGCAGACAGAATTAGGAAGAAAATACTTAAAGATTCCATCTGTAAGTGGCCAGTTTGGAGTATAC
AGCCAGCCGAAGTCAGAGGAACCTTTCGTCAGCCGATGGCAGCTTAGAGTCTGTGAGAAATGTAAT
CATCTCAAGAGCTTTTTATCTGAAAGGGGCTCAAACCAAGTAGGACAGGTGACATTTCTGCAAAGGAGG
CTGCAAAATGGGAGACAGGAGCAGGGGATGATGGAGACATCGCACCTGAGATGGTTACCCCTCAGTCTAA
AGACTTTAATAGTGGAAATAAAGGTGATTATCATGAAGAGGGGACCAGCAACAAGAACACTTCATATTCT
CATTACAGAAACGGACCATACTCCAGTTTCCAGGAAGAGAAAAGAAAAGGGGAAGAAGTAATTTTCATAATT
CTCATAATCCTAAGTCTTCTGTGGATAAGTCAACAGAATATAAAAAGAAGAAGAAAATGAGTCTACAGT
CTCCAGTAAGCTTGAAGAGTCCAATGAAGACTCTCACCAGGACCCAGCACCACCCGAAGGACTCACTCCG
GACTCTTTGGAGACCGAGGCCACTAACGTGTGCTCATTGTTGTTTCCAGGAGCCAGATGTTAGTGTGCTC
CTGGAAGGGCTGCTCACCAACAAAAGCTCGGAGAGCTCTGTTTCTAGTGAAGTGGCAGAGAATTTCTC
GGCGGCTGAGAAGGGTGAGGCATCGACTGTTAAAGGAAGCACCTCCTCCAGGAGGAAACAGTGAAGAGA
CAGTTGTTGATGTCAGCTGAGCCAATTGTTGTTCCAGTGACGAAGAAGGACCGTTGAACATAAGAAT
CAGTAATTCTAAAATTACAGCCTTCTCAAGATTATGAATTTATGAGTGAATAATCAGACTACTTCTGATCC
ACAGTTGTCAGAAATTAATGCTGGGTGCATGTGAATCTGTACAGGTATCATCTGAATTATGTCGTACAAT
CCTGACATGGAACATTTCTGTATTAACCTAATAGTGAATGGATCTGAAATGGATTTTCATATTTA
CTTGTGTGATATTGGTAAAATAAAGGAACCTCAAAGGTTGTATCACGTTCAAAAAGAAGTATATTTAA
AATCCCATTTCAAGTGTCTATGAATGAGATTTCACTGACTGTGGACACGGCACGTTTAAAGAGGTTCCGG



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TTATGGGAAAGCAAGGATGATGACCACAGTAAGAGGAGCCATGCTATCCTTTTCCTCTGGGTTTCCTCAA
ACTACCTTCAAGACATTCAGACCCAGTTAGAAAACCCATGCTAAGCCAGCAATCAAAGCCAATGAATT
CATTTTCCTTGAGTTAAATAGTCCCATTTCACAAAGAGAAGAATTGAAATTGAAAGATATTATGATGGAA
ATCGGTGCGACAAATGGAGAATTACAGCTCTCCTGTCCGTTGCCCTGGGTTCCAGGCATTTCTTTGTTTC
AGGATCTCTCTCCACAAGAAATCTTTTCTTCACTATTACTGTGCTTCAGCTTCCTCTTTCCCTGCTGT
TGCTGGAGCAGACATGAAGAAGAAGCCAGTGTCTCAGCCCTCAAATGCAGATGTCGTCAAGCCTACTTAC
ACCTTTTACATAAAACAAGCAGTGGCTGCTACTGCTACTGTCTATTACTTCAAGTCCAGATGAAGAATGGC
GAGAAGTCAGGAACACTGGACCCGTTTCAAGATTGATTGTATCCTCCACCACCTACTAAGGGAGGCTT
GGGAGTAACTAATGAAGATCTGGAATGTTTAGAAGAAGGAGAATTTCTAACGATGTGATCATTGACTTT
TACCTTAAGTATCTTCTTTGGAGAAGGCATCAGATGAACTTGTTGAGCGAAGCCACATTTTATGAGCT
TTTTCTATAAATGCTTGACAAGAAAGGAAAATAACTTAACAGAAGATAATCCAGATCTTTCAGTGGCTCA
GAGGAGACACAGAAGAGTGAGAACATGGACTCGTCACATAAATTTTTAATAAAGACTACATCTTTGTA
CCTGTAATGAATCGTCTCACTGGTATCTTGCAGTCATTTGTTTCCCATGGCTAGAAGAAGCTGTGTATG
AAGATTTTCCACAACTGTGTCCCAAGAGTTCAGGACCAGCAGTCTCAACATGACAACAAAACGATAGA
TAATGATCCACACACCCTTCAACTGTGTTCCAGAGTGCAGAGGAGTCCCAAAGTACCGAGACGAGTATG
TCAGTACCAAAGAAAATGTGTAAGCGGCCATGTATTCTCATACTAGACTCCCTGAAAGCTGCTTCCATAC
AAAACACAGTTTCAAGAACTTGCAGAGTATTTGGAGGTAGAGTGGGAAGTTAAACGAAAAACACACCGTGA
ATTCAGTAAAACAACATGGTCGACCTATGCCCAAAGTCCCTAAGCAGGACAACAGCAGCGACTGTGGG
GTGATTTTGTGTCAGTATGTGGAGAGCTTCTCCAGGATCCCATTTGTTAACTTTGAACTTCCAATCACT
TGGAGAAATGGTTTCTCGCCATGTAATAAAGACCAACGAGAAGATATTCGAGAGCTCATTTTGAAGT
TCATTTACAGCAACAGAAGGGCAGCAGCAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001105888

Insert Size: 3114 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001105888.1](#), [NP_001099358.1](#)

RefSeq Size: 4876 bp

RefSeq ORF: 3114 bp

Locus ID: 288167

UniProt ID: [D3ZF42](#)

Cytogenetics: 11q12

Gene Summary: Protease that deconjugates SUMO2 and SUMO3 from targeted proteins, but not SUMO1. Catalyzes the deconjugation of poly-SUMO2 and poly-SUMO3 chains. Has very low efficiency in processing full-length SUMO proteins to their mature forms (By similarity). [UniProtKB/Swiss-Prot Function]