

Product datasheet for **MC218116**

Senp3 (NM_001163571) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senp3 (NM_001163571) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Senp3
Synonyms:	AA408656; Smt3ip; Smt3ip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218116 representing NM_001163571
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAGAGACTATACAGGGGACCGGGTCTTGGGGCCTGAGCCTCCGGGACCCGGCACCCTTACTCAA
ATCCCAGGCGAGAGCGTCTTCGTTGGCCCTACCCCTAAGCCCCGGCTCAAGTCCGGTGGTGGTTTTGG
GCCAGATCCTGGGTCTGGGACCACAGTGCCAAGTACGACGCTCCCTGCCCGCCGATCTTTTGTATGCC
TCAGCTAGTGAAGAAGAGGAAGAGGAAGAGGAGGAAGATGAGGAGGAAGTACGAGCTTGGAGGCTACCCC
CTAGGTGGGGCCAACTGGGGGCCCTCCAGCGCTCTCGAGCTCTCCGACCCTCTCATAGAAAACTGCTC
ACAGCGCCGGCGCCGAGCCATGAGAGCCTTCCAGATGCTGCTCTACTCAAAAAGCACCTCGTGACATTC
CACTGGAAGCTTTGGGGCGCCACCGAGGCCGGCGGGAACCTCGCGACCCCAAGAACCATCTCTCAC
CCCAGGAAGGGGTGCAACGCCACAGGTCCATCACCTGCTGCTGTTTTGACTCCCCCGGGGCTACC
CCCACCCGGCTGGTCTGCTAGGTGCTCTCATGGCAGAGGATGGGATGAGAGGGTCTCCACCAGTGCCC
TCTGGGCCCCCATGGAGGAAGATGGACTAAGGTGGACCCAAAGTCTCCTCTGGACCCTGACTCGGGCC
TCCTCTCATGACTCTACCCAATGGTTTTGGGGGACTGTCTGGTCTGAAGGGGAGCGCAGCCTGGCACC
CCCTGATGCCAGCATACTCATCAGTAATGTGTGCAGCATTGGAGACCAGTGGCTCAGGAACTTTTTCAG
AGCTCTGACTTGGGCATTGCAGAAGAGGCAGATCGGACTGGGAGAAAAGCTGGCCAGCATAGCCCCCTTC
GGGAGGAACATGTGACCTGTGTGCAGAGTATCTTAGATGAATTCCTCAAACCTTATGGCAGCCTCATCCC
TCTCAGCACTGATGAAGTTGTAGAGAAGTTGGAGGACATTTCCAGCAGGAGTCTCTACACCCTCAAGG
AAGAGTCTGGTACTACAGCTGATCCAGTCTTATCAGCGGATGCCAGGCAACGCTATGGTAAGGGGCTTCC
GGTATCCTATAAGCGACACGTGCTCACCATGGATGACTTGGGTACCTTATATGGACAGAAGTGGTCAA
TGACCAGGTGATGAACATGTATGGAGATCTGGTATGGACACAGTCCCTGAAAAGGTGCATTTCTTCAAC
AGCTTCTTCTATGATAAACTCCGTACCAAGGGTTATGATGGGGTAAAGAGGTGGACCAAAAATGTGGACA
TCTTCAATAAGGAATTACTGCTAATCCCATCCATCTGGAGGTGCACTGGTCCCTTATCTCAGTTGATGT
AAGGCGACGTACCATCACCTATTTTACTCCAGCGAACTCTAAATCGCCGCTGCCCTAAGCATATTGCC
AAGTATCTACAGGCGAGGCGAGTCAAAAAGACCGACTGGACTTCCATCAGGGCTGGAAAGGTTACTTCA
AAATGAATGTGGCCAGGCAGAATAATGACAGTACTGTGGTGCCTTTGTATTACAGTACTGCAAGCACCT
GGCCCTGTCTCAGCCATTCAGCTTACCCAGCAGGACATGCCAAACTCCGTCGTCAGATCTACAAGGAA
CTGTGTCAGTCAAACCTCACTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163571

Insert Size: 1707 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_001163571.1](#), [NP_001157043.1](#)

RefSeq Size: 2230 bp

RefSeq ORF: 1707 bp

Locus ID: 80886

UniProt ID: [Q9EP97](#)

Cytogenetics: 11 B3

Gene Summary: Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates. Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability. Deconjugates SUMO2 and SUMO3 from CDCA8. Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300. Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin. Plays a role in the regulation of sumoylation status of ZNF148. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.