

Product datasheet for **MC210327**

Senp7 (NM_001003972) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Senp7 (NM_001003972) Mouse Untagged Clone
Tag: Tag Free
Symbol: Senp7
Synonyms: 2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210327 representing NM_001003972
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGATAACAAAGTTGTTAACTGTTAAAGTCAGAGGATGTTCTTGCTCAGTC
ACCATTGTCCAACTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTA
GACCACAAAAACCAAAGCTGCCCGTGGGTGCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTA
TGTTGACGAATGTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAA
TTTATGTGCTCCCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT
CAAAGATTAGATCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATA
TCCGGCAAACAGAATTAGGAAGAAAATATTTAAAGATCCCACCTGTTAACTGAGGCCAGTTTGAGTGATAC
AGCCAACCTGAAATCAGAGCAACTTTCTCATCATCTGATGGCAGCTTAGAGTCTGTGAGAGTGTAAAT
CATCACAAGAGCTTTTTATCTGAAAGGCTTACCTCTAAAAAGGGAAAAAGAGCACTACTGCCACAGGCC
AGACGGAGACTGACCAGCCATCTCTGGACCTGCCTGCACCAATAAAGCTGCCTTTGTTCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001003972
Insert Size: 765 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:	<ol style="list-style-type: none">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:	<u>NM_001003972.2</u> , <u>NP_001003972.1</u>
RefSeq Size:	1231 bp
RefSeq ORF:	765 bp
Locus ID:	66315
Cytogenetics:	16 C1.1
Gene Summary:	<p>This gene encodes a SUMO deconjugating enzyme of the Sentrin/SUMO-specific protease (SENPs) family. The encoded protein is a protease that exhibits deSUMOylating activity towards proteins involved in chromatin remodeling and promotes chromatin relaxation for DNA repair or transcription. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (3) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 3 which is shorter and has a distinct C-terminus, compared to isoform 1.</p>