

## Product datasheet for MC223310

### Senp7 (NM\_025483) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Senp7 (NM_025483) 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:	>MC223310 representing NM_025483 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT  
CATCACCAGCTGATTTACAGAAGATAACAAAGTTGTTAACTGTAAGTCAGAGGATGTTCTTGCTCAGTC  
ACCATTGTCCAACTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAGTCATCTGTCTA  
GACCACAAAAACCAAAGCTGCCCGTGGGTGCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTA  
TGGTACGAATGTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAA  
TTTATGTGCTCCCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT  
CAAAGATTAGATCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATA  
TCCGGCAAACAGAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTGGCCAGTTTGAGTGATAC  
AGCCAACCTGAAATCAGAGCAACTTTCTCATCATCTGATGGCAGCTTAGAGTCTGTGACAGGTGAAAT  
CATCACAAGAGCTTTTTATCTGAAAGTGGTCCCAAACCAAGTAGGACAGGTGACGTTCTGCAAAGGAGG  
CTGCATGTGGGGACAGAAGCAGGGTGATGATGGAGGAGTCACTCCTGAGATGGCTGCTCCTCATCCTAA  
AGACTTTAATACTGAAAATAAAGTTGTGATTATCTTGAAGAGGGACCAGCAACAAGAATACTTCATAT  
TCTTATTCGAAAATGGACCATACTCCAGTTTCCAGGAAGAGAAAAGGGGTAGAAGTAATTTTCATG  
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TTCTTCCGTGGCTGTGAAGGGTGAAGCGTTGACTCTAAAAGAAGCATCCCCTCCGGTGAAGCAGTGAA  
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ACAGTTGTGAGAGCTGACTCGGTGCATGTGAATCTGTACAGGTAACATCTGAATTATTTCCATACAAT  
CCTGATGTAGAAAACATTTCTGTATTAATCTAATAGTGAATGGATCTGAAATGGATTTTCATATTTA



CATGTGTGATATTGGTAAAATAAAAGGAACTCCAAAAGTTGTGTACGTTCCACAAAGAAGTATATTAA  
 AATCCCCTTTCAAGTGTCCACAAATGAGATTTCCCTGACAGTGGACACCCGACGTTTAAAGAGGTTCCGG  
 TTATGGGAAAGCAAGGATGAGGACCACAGCAAGAGGAGCCACGCTATCCTTTTCTCTGGCTTTCCTCAG  
 ACTACCTTCAAGACATTCAGACCCAGCTAGAAAACCCCATGCTAAGCCAGCAATCAAAGCCAATGAATT  
 TATTTTCTTGAGTTAAACAGTTCATTTACAAAAGAGAAGAATTGAAATTGAAAGATATTATGATGGAA  
 ATCAGTACAAAAATGGAATTTACACCTGTCTGTCCATTGCCCTGGTCCAGGCACTTCTTTGTTTC  
 AGGATCTCTCCACAAGAAATCTTTTCTTCACTATTACTATGCTTCAGCTTCTGCTCTCCCACTGC  
 TGCTGGGCAGACATGAAGAAGAAGTCAGTGTCTCAGCCCTCAAATTCAGACACCATCAAGCCTACTTAC  
 ACCTTCTACATAAAACAAAGTAGTGTTGCTACTCGCTCTCTATTACTTCAAGTCCAGAGGAGGAATGGC  
 AGGAAGTCAGGAACACGGGACCCGTTCCAGAAGTTGATTGTTTATCCTCCACCACCTACTAAGGGAGGCTT  
 GGGAGTAACTAATGAAGATCTAGAGTGTGTTAGAAGAAGGAGAATTTCTAACGATGTAATCATTGACTTT  
 TACCTTAAGTATCTTCTATTGGAGAAGGCATCAGATGAAGTGTGAAACGAAGTCACATTTTTAGTAGCT  
 TTTTCTATAAATGCTTGACAAGAAAGGAAAATAATTTAACAGAAGATAATCCAGATCTATCAGTGGCTCA  
 GAGGAGACACCGAAGAGTGAGAATGGACTCGTCATATAACATTTTTAATAAAGACTACATCTTTGTA  
 CCTGTTAATGAATCGTCTCACTGGTATCTTGCAGTCATTTGTTTCCCATGGCTAGAAGAGGCTGTGTATG  
 AAGATTGTCCACAACTGTGTCCCAACAGTTCAGGGTCCAGAGTCTCAGCATGACCACAAAATGACAGA  
 TAATGATCCACATACCCTTCAACTGTGTCACGAGTGCAGAGGATTCCAAAGTACCGAGGTGAATATG  
 TCAGTACCAAAGAAAATGTGAAGCGGCCATGTATTCTCATACTAGACTCCCTGAAAGCTGCTTCTATAC  
 AAAACACAGTTCAGAACTTACGAGAGTATTTGGAGGTAGAGTGGGAGGTGAAACGAAAAACGCACCGTGA  
 ATTCAGTAAAACCAATATGGTCGACCTGTGCCCAAAGTCCCTAAGCAGGATAACAGCAGTGAAGTGTGA  
 GTCTATTTGTTGAGTATGTGGAGAGCTTTTCCAGGATCCCATTGTTAACTTTGAACTTCCAATCACT  
 TGGAGAAATGGTTTCTCGCCATGTAATAAAGACCAACCGGAAGATATTCGAGAGCTCATTTTGAACT  
 TCACTTACAGCAACAGAAGGGCGGCAGCTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_025483
- 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\\_025483.4](#), [NP\\_079759.2](#)
- RefSeq Size:** 4908 bp
- RefSeq ORF:** 3114 bp

Locus ID: 66315

UniProt ID: [Q8BUH8](#)

Cytogenetics: 16 C1.1

**Gene Summary:** This gene encodes a SUMO deconjugating enzyme of the Sentrin/SUMO-specific protease (SENP) 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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.