

Product datasheet for MC223179

Senp7 (NM_001003971) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senp7 (NM_001003971) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Senp7
Synonyms:	2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676; mKIAA1707
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223179 representing NM_001003971 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGGGCCAGGCCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTAGACCACAAAA
ACCAAAAGCTGCCCGTGGGTGTCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTATGTTGACGAAT
GTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAAGGATGCTAATTTATGTGCTC
CCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGTCAAAGATTAGA
TCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATATCCGGCAAACA
GAATTAGGAAGAAAAATTTAAAGATCCCACCTGTAAGTACTGAGGCCAGTTTGTGATACAGCCAACCTGA
AATCAGAGCAACTTTCTCATCTGATGGCAGCTTAGAGTCTGTGACAGTGTAAATCATCACAAGAG
CTTTTTATCTGAAAGTGGTCCCAAACCAAGTAGGACAGGTGACGTTCTGCAAAGGAGGCTGCATGTGGG
GGACAGAAGCAGGGTGATGATGGAGGAGTCACTCCTGAGATGGCTGCTCCTCATCCTAAAGACTTTAATA
CTGGAAAATAAGGTTGTGATTATCTTGAAGAGGGGACCAGCAACAAGAATACTTCATATTTCTTACCGGA
AATGGACCACTCCAGTTTCCAGGAAGAGAAAAGGGGTAGAAGTAATTTTCATGATTCTCATAAT
TCTAAGACTTCTTTGGATAAGCCAACAGAACATACAAAAGAAGAAGAAAATGACTCTTCAGTCTCCCGTA
AGCTTGAAGAGTCCGGTGAAGACTCTCACCAGGACCCAGCACCACCCGAAGGACTCGCGCCAGAATCTTT
AGAGAGCGAGGCCACTAACCTGCGCTCATTGCTGCTGGTCCAGGACCCAGATGCTAGCGTCCCTCTGGA
AGGGCCTCTTACCCAACAAAAGCTTGGAGAGCTCTGCTTCTAGTGAAGTGTGGGAGAATTTCCCGTGG
CTGTGAAGGGTGAGGCGTTGACTCTAAAAGAAGCATCCCTCCGGGTGGAAGCAGTGAAGAGAGCCAGTT
GTTGATCTCAGCTGAGCCAATTGAGTTTCCAGTGTGAAGAAGGACCGGTTGAACATAAGAATTCAGTA
ATTCTAAAATTACAGCCTCCTCATGAGATTATGAGTGAATAACAGGGCACTTCTGACCCACAGTTGTCAG
AGCTGACACTCCGTGCATGTGAATCTGTACAGGTAACATCTGAATTTATTTCCATACAATCCTGATGTAGA
AAACATTTCTGTATTAATCTAATAGTGAATGGATCTGAAATTTGATTTCATATTTACATGTGTGTAT
ATTGGTAAAATAAAGGAACTCCAAAAGGTTGTGTACGTTACAAAAGAAGTATATTAATAATCCCGTTTC



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AAGTGTCCACAAATGAGATTTCCCTGACAGTGGACACCGCACGTTTAAAGAGGTTTCGGGTTATGGGAAAG
 CAAGGATGAGGACCACAGCAAGAGGAGCCACGCTATCCTTTTCCTCTGGCTTTTCCTCAGACTACCTTCAA
 GACATTGACACCCAGCTAGAAAACCCCATGCTAAGCCAGCAATCAAAAGCCAATGAATTTATTTTCCTTG
 AGTTAAACAGTTCCATTTACAAAAGAGAAGAATTGAAATTGAAAGATATTATGATGGAAATCAGTACAAA
 AAATGGAAATTTACACCTGTCTGTCCATTGCCCTGGGTCCAGGCACTTCCTTTGTTTCAGGATCTCTCT
 CCACAAGAAATCTCTTTTCTTCACTATTACTATGCTTCAGCTTCTGCTCTCCCACTGCTGCTGGGCGAG
 ACATGAAGAAGAAGTCAGTGTCTCAGCCCTCAAATTCAGACACCATCAAGCCTACTTACACCTTCTCACA
 TAAACAAAGTAGTGGTTGCTACTCGCTCTCTATTACTTCAAGTCCAGAGGAGGAATGGCAGGAAGTCAGG
 AACACGGGACCCGTTTCAGAAGTTGATTGTTTATCTCCACCACCTACTAAGGGAGGCTTGGGAGTAACTA
 ATGAAGATCTAGAGTGTTTGAAGAAGGAGAATTTCTTAACGATGTAATCATTGACTTTTACCTTAAGTA
 TCTTCTATTGGAGAAGGCATCAGATGAACCTGTTGAACGAAGTCACATTTTATGAGCTTTTCTATAAA
 TGCTTGACAAGAAAGGAAAATAATTTAACAGAAGATAATCCAGATCTATCAGTGGCTCAGAGGAGACACC
 GAAGAGTGAGAACATGGACTCGTCATATAAACATTTTTAATAAAGACTACATCTTTGTACCTGTTAATGA
 ATCGTCTCACTGGTATCTTGCAGTCATTTGTTTCCCATGGCTAGAAGAGGCTGTGTATGAAGATTGTCCA
 CAAACTGTGTCCCAACAGTTCCAGGGTCAGCAGTCTCAGCATGACCACAAAATGACAGATAATGATCCAC
 ATACCCTTCAACTGTGTCCACGAGTGCAGAGGATTCCTCAAGTACCGAGGTGAATATGTCAGTACCAAA
 GAAAATGTGTAAGCGGCCATGTATTCTCATACTAGACTCCCTGAAAGCTGCTTCTATACAAAACACAGTT
 CAGAACTTACGAGAGTATTTGGAGGTAGAGTGGGAGGTGAAACGAAAAACGCACCGTGAATTCAGTAAAA
 CCAATATGGTTCGACCTGTGCCCAAGTCCCTAAGCAGGATAACAGCAGTGACTGTGGAGTCTATTTGTT
 GCAGTATGTGGAGAGCTTTTCCAGGATCCCATTTGTTAACTTTGAACTTCCAATTCACCTGGAGAAATGG
 TTTCTCGCCATGTAATAAAGACCAACGGGAAGATATTCAGAGCTCATTTTGAACCTCACTTACAGC
 AACAGAAGGGCGGCAGCTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001003971
- Insert Size:** 3033 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_001003971.1, NP_001003971.1
- RefSeq Size:** 4802 bp
- RefSeq ORF:** 3033 bp

Locus ID: 66315

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]