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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223179 representing NM_001003971
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTAGACCACAAAAA
ACCAAAAGCTGCCCGTGGGTGTCCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTATGTTGACGAAT
GTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAATTTATGTGCTC
CCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGTCAAAGATTAGA
TCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATATCCGGCAAACA
GAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAACTGAGGCCAGTTTGAGTGATACAGCCAACCTGA
AATCAGAGCAACTTTCTTCATCATCTGATGGCAGCTTAGAGTCTTGTCAGAGTGTAAATCATCACAAGAG
CTTTTTATCTGAAAGTGGTCCCAAACCAAGTAGGACAGGTGACGTTCCTGCAAAGGAGGCTGCATGTGGG
GGACAGAAGCAGGGTGATGATGGAGGAGTCACTCCTGAGATGGCTGCTCCTCATCCTAAAGACTTTAATA
CTGGAAATAAAGGTTGTGATTATCTTGAAGAGGGGACCAGCAACAAGAATACTTCATATTCTTATTCGGA
AATGGACCATACTCCAGTTTCCAGGAAGAGAAAGAAAAGGGGTAGAAGTAATTTTCATGATTCTCATAAT
TCTAAGACTTCTTTGGATAAGCCAACAGAACATACAAAAGAAGAAGAAAATGACTCTTCAGTCTCCCGTA
AGCTTGAAGAGTCCGGTGAAGACTCTCACCAGGACCCAGCACCACCCGAAGGACTCGCGCCAGAATCTTT
AGAGAGCGAGGCCACTAACCTGCGCTCATTCGCTGCTGGTCAGGAGCCAGATGCTAGCGCTGCCTCTGGA
AGGGCCTCTTCACCCAACAAAAGCTTGGAGAGCTCTGCTTCTAGTGAAGTGTCGGAGAATTCTTCCGTGG
CTGTGAAGGGTGAGGCGTTGACTCTAAAAGAAGCATCCCCTCCGGGTGGAAGCAGTGAAGAGAGCCAGTT
GTTGATCTCAGCTGAGCCAATTGTAGTTTCCAGTGATGAAGAAGGACCGGTTGAACATAAGAATTCAGTA
ATTCTAAAATTACAGCCTCCTCATGAGATTATGAGTGAAAATCAGGGCACTTCTGACCCACAGTTGTCAG
AGCTGACACTCGGTGCATGTGAATCTGTACAGGTAACATCTGAATTATTTCCATACAATCCTGATGTAGA
AAACATTTCCTGTATTAAATCTAATAGTGAAATGGATCTGAAATTGGATTTCATATTTACATGTGTGTAT
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ATTGGTAAAATAAAAGGAACTCCAAAAGGTTGTGTCACGTTCACAAAGAAGTATATTAAAATCCCGTTTC
AAGTGTCCACAAATGAGATTTCCCTGACAGTGGACACCGCACGTTTAAAGAGGTTCGGGTTATGGGAAAG
CAAGGATGAGGACCACAGCAAGAGGAGCCACGCTATCCTTTTCCTCTGGCTTTCCTCAGACTACCTTCAA
GACATTCAGACCCAGCTAGAAAACCCCATGCTAAGCCAGCAATCAAAAGCCAATGAATTTATTTTCCTTG
AGTTAAACAGTTCCATTTCACAAAGAGAAGAATTGAAATTGAAAGATATTATGATGGAAATCAGTACAAA
AAATGGAAATTTACACCTGTCTTGTCCATTGCCCTGGGTCCAGGCACTTCCTTTGTTTCAGGATCTCTCT
CCACAAGAAATCTCTTTTCTTCACTATTACTATGCTTCAGCTTCTGCTCTCCCCACTGCTGCTGGGGCAG
ACATGAAGAAGAAGTCAGTGTCTCAGCCCTCAAATTCAGACACCATCAAGCCTACTTACACCTTCCTACA
TAAACAAAGTAGTGGTTGCTACTCGCTCTCTATTACTTCAAGTCCAGAGGAGGAATGGCAGGAAGTCAGG
AACACGGGACCCGTTCAGAAGTTGATTGTTTATCCTCCACCACCTACTAAGGGAGGCTTGGGAGTAACTA
ATGAAGATCTAGAGTGTTTAGAAGAAGGAGAATTTCTTAACGATGTAATCATTGACTTTTACCTTAAGTA
TCTTCTATTGGAGAAGGCATCAGATGAACTTGTTGAACGAAGTCACATTTTTAGTAGCTTTTTCTATAAA
TGCTTGACAAGAAAGGAAAATAATTTAACAGAAGATAATCCAGATCTATCAGTGGCTCAGAGGAGACACC
GAAGAGTGAGAACATGGACTCGTCATATAAACATTTTTAATAAAGACTACATCTTTGTACCTGTTAATGA
ATCGTCTCACTGGTATCTTGCAGTCATTTGTTTCCCATGGCTAGAAGAGGCTGTGTATGAAGATTGTCCA
CAAACTGTGTCCCAACAGTTCCAGGGTCAGCAGTCTCAGCATGACCACAAAATGACAGATAATGATCCAC
ATACCACTTCAACTGTGTCCACGAGTGCAGAGGATTCCCAAAGTACCGAGGTGAATATGTCAGTACCAAA
GAAAATGTGTAAGCGGCCATGTATTCTCATACTAGACTCCCTGAAAGCTGCTTCTATACAAAACACAGTT
CAGAACTTACGAGAGTATTTGGAGGTAGAGTGGGAGGTGAAACGAAAAACGCACCGTGAATTCAGTAAAA
CCAATATGGTCGACCTGTGCCCCAAAGTCCCTAAGCAGGATAACAGCAGTGACTGTGGAGTCTATTTGTT
GCAGTATGTGGAGAGCTTTTTCCAGGATCCCATTGTTAACTTTGAACTTCCAATTCACTTGGAGAAATGG
TTTCCTCGCCATGTAATAAAGACCAAACGGGAAGATATTCGAGAGCTCATTTTGAAACTTCACTTACAGC
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

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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]

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