

Product datasheet for MR211497

Senp7 (NM_025483) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senp7 (NM_025483) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Senp7
Synonyms:	2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211497 representing NM_025483 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGATAACAAAGTTGTTAACTGTAAAGTCAGAGGATGTTCTTGCTCAGTC
ACCATTGTCCAACTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTA
GACCACAAAAACAAAAGCTGCCCGTGGGTGTCCTCCTAAGGGATTACAAAAAGGCATCTCAGAGTTA
TGTTGACGAATGTTCTATGGACGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAA
TTTATGTGCTCCCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT
CAAAGATTAGATCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATA
TCCGGCAAACAGAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTGGCCAGTTTGAGTGATAC
AGCCAACCTGAAATCAGAGCAACTTTCTTCATCATCTGATGGCAGCTTAGAGTCTTGTCAGAGTGTAAT
CATCACAAGAGCTTTTTATCTGAAAGTGGTCCCAAACCAAGTAGGACAGGTGACGTTCTGCAAAGGAGG
CTGCATGTGGGGACAGAAGCAGGGTGATGATGGAGGAGTCACCTCCTGAGATGGCTGCTCCTCATCCTAA
AGACTTTAATACTGAAAATAAAGGTTGTGATTATCTTGAAGAGGGGACCAGCAACAAGAATACTTCATAT
TCTTATTCGAAATGGACCATACTCCAGTTTCCAGGAAGAGAAAAGGGGTAGAAGTAATTTTCATG
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CCAGAATCTTTAGAGAGCGAGGCCACTAACCTGCGCTCATTGCTGCTGGTCAGGAGCCAGATGCTAGCG
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TTCTTCCGTGGCTGTGAAGGGTGAAGGCTTACTCTAAAAGAAGCATCCCTCCGGGTGGAAGCAGTGAA
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AGAATTCAGTAATTCTAAAATTACAGCCTCCTCATGAGATTATGAGTGAAAATCAGGGCACTTCTGACCC
ACAGTTGTCAGAGCTGACTCGGTGCATGTGAATCTGTACAGGTAACATCTGAATTATTTCCATACAAT



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CCTGATGTAGAAAACATTTCTGTATTAATCTAATAGTGAAATGGATCTGAAATTGGATTTTCATATTTA
 CATGTGTGTATATTGGTAAAAATAAGGAACTCCAAAAGGTTGTGTACAGTTTACAAAAGAAGTATATTTAA
 AATCCCGTTTTCAAGTGTCCACAAATGAGATTTCCCTGACAGTGGACCCGACGTTTAAAGAGGTTCCGG
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 TACCTTAAGTATCTTCTATTGGAGAAGGCATCAGATGAAGTGTGAACGAAGTCACATTTTTAGTAGCT
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 TGGAGAAATGGTTTCTCGCCATGTAATAAAGACCAAACGGGAAGATATTCGAGAGCTCATTTTGAAGT
 TCACTTACAGCAACAGAAGGGCGGCAGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211497 representing NM_025483

Red=Cloning site Green=Tags(s)

MDRARPGRRRASSEIVTEGKRKSSPADLQKITKLLTVKSEDVLAQSPLSKLRGSECWTRSLRNKVICL
 DHKKPKAARGCPPKGLPKRHLRVMLTNLWTDLGRFRKTLPRKDANLCAPSKVQSDSLPSTSVDSIETC
 QRLDPLHQSLNLSERTPRVILTDIRQTELGRKYLKIPPVTEASLSDANLKSEQLSSSSDGSLESCQSVN
 HHKSFLSESGPKPSRTGDVPAKEAACGGQKQGGDGGVTPEMAAPHPKDFNTGNKGC DYLEEGT SNKNTSY
 SYSEMDHTPVSRKRKGRSNFHDHSHSKTSLDKPTEHTKEEENDSSVSRKLEESGEDSHQDPAPPEGLA
 PESLESEATNLSFAAGQEPDASAASGRASSPNKSLESSASSEVSENSVAVKGEALTLKEASPPGGSSE
 ESQLLISAEPVIVSSDEEGPVEHKNSVILKLPPEHIMSENQGTSDPQLSELTLGACESVQVTSELPYIN
 PDVENISCIKSNSEMDLKLDFIFTCVYIGKIKGTPKGCVTFTKKYIKIPFQVSTNEISLTVDTARLKRFG
 LWESKDEDHSHKSHAILFLWLSSDYLQDIQTQLENPMLSQQSKANEFIFLELNSSISQREELKLDIMME
 ISTKNGNLHLSCPLPWVQALPLFQDLSPQEISFLHYYYASASALPTAAGADMKKKSVSQSNSDTIKPTY
 TFLHKQSSGCYSLSITSSPEEEWQEVNRTGPVQKLI VYPPPTKGG LGVTNEDLECEEGEFLNDV I IDF
 YLKYLLLEKASDELVERSHIFSSFFYKCLTRKNNL TEDNPDLSVAQRRHRRVRTWRHINIFNKDYIFV
 PVNESSHWYLAVICFPWLEEAVYEDCPQTVSQFQGGQSQHDHKMTDNDPHTTSTVSTSAEDSQSTEVM
 SVPKMKRIPCILILDSLKAASIQNTVQNLREYLEVEWEVKKRTHREFSKTNMVDLCPKVPKQDNSSDCG
 VYLLQYVESFFQDPIVNFELPIHLEKWFPRHVIKTKREDIRELILKHLQKQKGGSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9095_g01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_025483

ORF Size: 3111 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

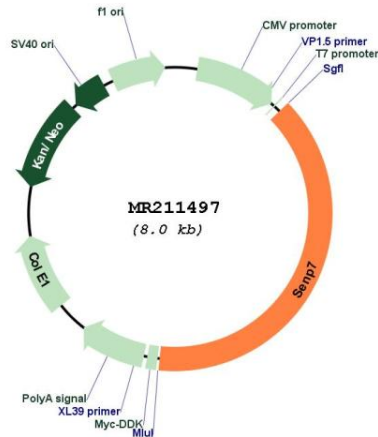
UniProt ID: [Q8BUH8](#)

Cytogenetics: 16 C1.1

MW: 116.3 kDa

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]

Product images:



Circular map for MR211497