

Product datasheet for MR217815

Senp7 (NM_001003971) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senp7 (NM_001003971) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Senp7
Synonyms:	2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676; mKIAA1707
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR217815 representing NM_001003971 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGGGCCAGGCCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTAGACCACAAAA
ACCAAAAGCTGCCCGTGGGTGTCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTATGTTGACGAAT
GTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCATAATTTATGTGCTC
CCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGTCAAAGATTAGA
TCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATATCCGGCAAACA
GAATTAGGAAGAAAAATTTAAAGATCCCACCTGTAAGTACTGAGGCCAGTTTGTGATACAGCCAACCTGA
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AAGTGTCCACAAATGAGATTTCCCTGACAGTGGACACCGCACGTTTAAAGAGGTTTCGGGTTATGGGAAAG
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217815 representing NM_001003971
 Red=Cloning site Green=Tags(s)

MDRARPGRRRASSEIVTEGKRKKSSPADLQKWTRSLRNKVICLDHKKPKAARGCPPKGLPKRHLRVMLTN
 VLWDLGREFRKTLPKRDANLCAPSKVQSDSLPSTSVDSIETCQRLDPLHQSLNLSERTPRVILTDIRQT
 ELGRKYLKIPPVTEASLSDTANLKSEQLSSSSDGSLESCQSVNHHKSFLESSEGPKPSRTGDVPAKEAACG
 GQKQGDDGGVTPEMAAPHPKDFNTGNKGC DYLEEGTSNKNTSYSEM DHTPVSRKRKRGRSNFHDSHN
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 QTVSQFQGGQSQHDHKMTDNDPHTTSTVSTSAEDSQSTEVNMSVPPKMKCRPCILILDSLKAASIQNTV
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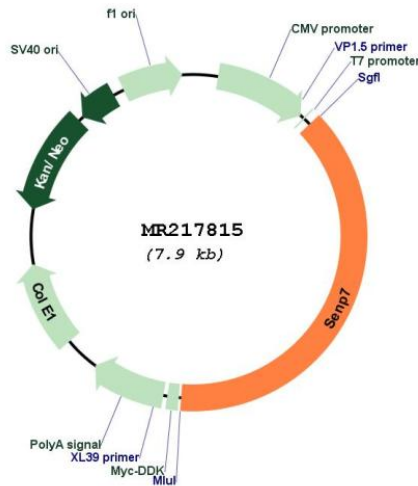
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001003971

ORF Size: 3030 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:	<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_001003971.1</u> , <u>NP_001003971.1</u>
RefSeq Size:	4802 bp
RefSeq ORF:	3033 bp
Locus ID:	66315
Cytogenetics:	16 C1.1
MW:	113.8 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]