

Product datasheet for **MG218844**

Senp7 (NM_001003972) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Senp7 (NM_001003972) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Senp7
Synonyms: 2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218844 representing NM_001003972
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
 CATCACCAGCTGATTTACAGAAGATAACAAAGTTGTTAACTGTAAAGTCAGAGGATGTTCTTGCTCAGTC
 ACCATTGTCCAACTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTA
 GACCACAAAAACAAAAGCTGCCCGTGGGTGCCTCCTAAGGGATTACAAAAAGGCATCTCAGAGTTA
 TGTTGACGAATGTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAA
 TTTATGTGCTCCCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT
 CAAAGATTAGATCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATA
 TCCGGCAAACAGAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTACTGAGGCCAGTTTGAGTGATAC
 AGCCAACCTGAAATCAGAGCAACTTTCTCATCATCTGATGGCAGCTTAGAGTCTTGTCAGAGTGTAAAT
 CATCACAAGAGCTTTTTATCTGAAAGGCTTACCTCTAAAAAGGGAAAAAGAGCACTACTGCCACAGGCC
 AGACGGAGACTGACCAGCCATCTCCTGGACCTGCCTGCACCAATAAAGCTGCCTTTGTCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218844 representing NM_001003972
 Red=Cloning site Green=Tags(s)

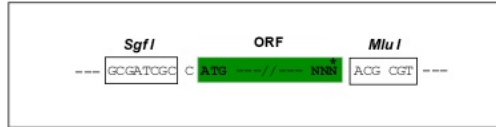
MDRARPGRRRASSEIVTEGKRKKSSPADLQKITKLLTVKSEDLVAQSPLSKLRGSECWTRSLRNKVICL
 DHKKPKAARGCPPKGLPKRHLRVMLTNVLWTDLGREFRKTLPRKDANLCAPSKVQSDSLPSTSVDSIETC
 QRLDPLHQSLNLSETRPRVILTDIRQTELGRKYLKIPPVTEASLSDTANLKSEQLSSSSDGSLESCQSVN
 HHKSFLSERLTSKKGKKSTTATGQTETDQPSGPACTNKAAFVI

TRTRPLE - GFP Tag - V

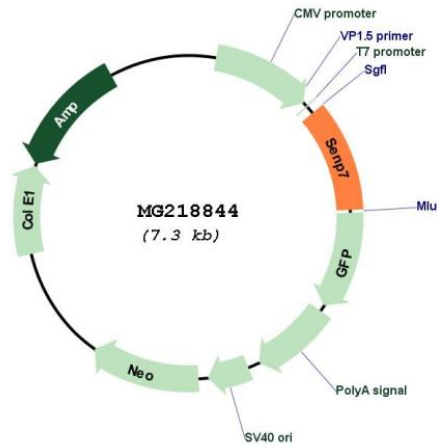
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001003972

ORF Size: 762 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:	NM_001003972.2 , NP_001003972.1
RefSeq Size:	1190 bp
RefSeq ORF:	765 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]