

## Product datasheet for **MR218844**

### Senp7 (NM\_001003972) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Senp7 (NM\_001003972) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Senp7  
**Synonyms:** 2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR218844 representing NM\_001003972  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT  
CATCACCAGCTGATTTACAGAAGATAACAAAGTTGTTAACTGTAAGTCAGAGGATGTTCTTGCTCAGTC  
ACCATTGTCCAACTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAGTCATCTGTCTA  
GACCACAAAAACAAAAGCTGCCCGTGGGTGCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTA  
TGTTGACGAATGTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAA  
TTTATGTGCTCCCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT  
CAAAGATTAGATCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATA  
TCCGGCAAACAGAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTGAAGCCAGTTTGAGTGATAC  
AGCCAACCTGAAATCAGAGCAACTTTCTCATCATCTGATGGCAGCTTAGAGTCTGTGAGAGTGTAAAT  
CATCACAAGAGCTTTTTATCTGAAAGGCTTACCTCTAAAAAAGGGAAAAAGAGCACTACTGCCACAGGCC  
AGACGGAGACTGACCAGCCATCTCTGGACCTGCCTGCACCAATAAAGCTGCCTTTGTGCATC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218844 representing NM\_001003972  
 Red=Cloning site Green=Tags(s)

MDRARPGRRRASSEIVTEGKRKKSSPADLQKITKLLTVKSEDLVAQSPLSKLRGSECWTRSLRNKVICL  
 DHKKPKAARGCPPKGLPKRHLRVMLTNVLWDLGREFRKTLPKRDANLCAPSKVQSDSLPSTSVDSIETC  
 QRLDPLHQSLNLSETPRVILTDIRQTELGRKYLKIPPVTEASLSDTANLKSEQLSSSSDGSLESCQSVN  
 HHKSFLSERLTSKKGKSTTATGQTETDQPSGPACTNKAAFVI

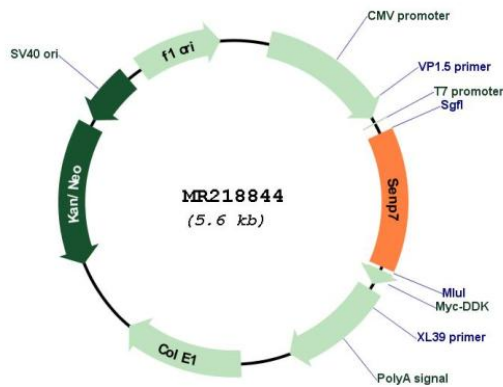
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001003972  
**ORF Size:** 762 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001003972.2</a> , <a href="#">NP_001003972.1</a>   |
| <b>RefSeq Size:</b>           | 1190 bp   |
| <b>RefSeq ORF:</b>            | 765 bp  |
| <b>Locus ID:</b>              | 66315   |
| <b>Cytogenetics:</b>          | 16 C1.1   |
| <b>MW:</b>                    | 28.6 kDa  |
| <b>Gene Summary:</b>          | 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]  |