

## Product datasheet for **MC210326**

### Senp7 (NM\_001003973) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Senp7 (NM\_001003973) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Senp7  
**Synonyms:** 2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210326 representing NM\_001003973  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGAAAACGGAAAAAGT  
CATCACCAGCTGATTTACAGAAGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTAGACCACAAAA  
ACCAAAGCTGCCGTGGGTGTCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTATGTTGACGAAT  
GTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCCTGCCTAGAAAGGATGCTAATTTATGTGCTC  
CCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGTCAAAGATTAGA  
TCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATATCCGGCAAACA  
GAATTAGGAAGAAAAATTTAAAGATCCCACCTGTAAGTACTGAGGCCAGTTTGAGTGATACAGCCAACCTGA  
AATCAGAGCAACTTTCTCATCATCTGATGGCAGCTTAGAGTCTTGTCAGAGTGTAAATCATCACAAGAG  
CTTTTTATCTGAAAGGCTTACCTCTAAAAAAGGGAAAAAGAGCACTACTGCCACAGGCCAGCGGAGACT  
GACCAGCCATCTCCTGGACCTGCCTGCACCAATAAAGCTGCCTTTGTCATCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001003973  
**Insert Size:** 684 bp



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<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_001003973.2</a></u> , <u><a href="#">NP_001003973.1</a></u>
<b>RefSeq Size:</b>	1150 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	66315
<b>Cytogenetics:</b>	16 C1.1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 4 which is shorter and has a distinct C-terminus, compared to isoform 1.</p>