

## Product datasheet for **MG216319**

### Senp7 (NM\_001003973) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Senp7 (NM\_001003973) 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:** >MG216319 representing NM\_001003973  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT  
CATCACCAGCTGATTTACAGAAGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTAGACCACAAAA  
ACCAAAGCTGCCGTGGGTGTCCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTATGTTGACGAAT  
GTTCTATGGACGGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAATTTATGTGCTC  
CCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGTCAAAGATTAGA  
TCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATATCCGGCAAACA  
GAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTGAAGCCAGTTTGAAGTATACGCCAACCTGA  
AATCAGAGCAACTTTCTTCATCATCTGATGGCAGCTTAGAGTCTTGTGAGAGTGTAAATCATCACAAGAG  
CTTTTTATCTGAAAGGCTTACCTCTAAAAAAGGGAAAAAGAGCACTACTGCCACAGGCCAGACGGAGACT  
GACCAGCCATCTCTGGACCTGCCTGCACCAATAAAGCTGCCTTTGTCATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216319 representing NM\_001003973  
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MDRARPGRRRASSEIVTEGKRKKSSPADLQKWTRSLRNKVICLDHKKPKAARGCPPKGLPKRHLRVMLTN  
 VLWTDLGREFRKTLPKRDANLCAPSKVQSDSLPSTSVDSIETCQRLDPLHQSLNLSETRPVILTDIRQT  
 ELGRKYLKIPPVTEASLSDTANLKSEQLSSSSDGSLESCQSVNHHKSFLSERLTSKKGKSTTATGQTET  
 DQPSPGPACTNKAAFVI

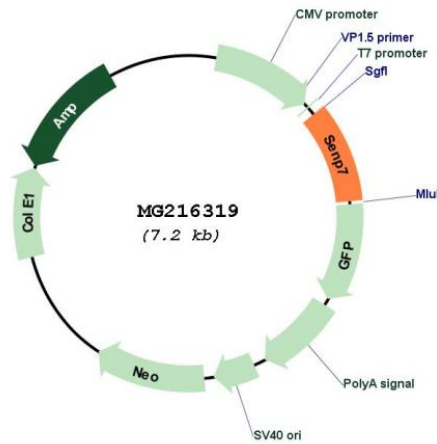
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001003973

ORF Size: 681 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_001003973.2</a> , <a href="#">NP_001003973.1</a>
<b>RefSeq Size:</b>	1109 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	66315
<b>Cytogenetics:</b>	16 C1.1
<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]