

## Product datasheet for **MC202624**

### Senp5 (NM\_177103) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Senp5 (NM_177103) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Senp5
Synonyms:	6230429P13Rik; A730063F07Rik; A1851888; BB189556; SMT3IP3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC067014 sequence for NM\_177103  
 GAGACAGTTGTCCTCCGACGCTCCGTCAGGCAGAAAGCTTAGGTGCCGGGAGCAAAGAACGTAGGTACATC  
 CAGTTCTCATTATGCATCAGAAAATGAAAAACAGAAGAAATTTCTATGGAAGAAAGGAATTCCTTAG  
 CCTTTTCTGAGAAATGGAATGCTGGGTTTGAAGCTTTAAGAAGTTTACTTTCCCAAACTTGTGCTT  
 TCTGAAAGCTAAGCTGGGAAGCCAGTTGCTTGGCATCGGCAGGTGAAGCATTCCAGTGTAAATAGGGT  
 CTTACATCCAGAAAACATGGATTCAAGATGTACCGTTTTGTTCAAAGACAAAGTCTGGACTGGCTACTC  
 AAAATGTTAGTACTTTGTACCCCAAAGTAAAAAGAAAGGACAGTAAGCACTTTCCTCTCTCAAGGAG  
 TCTCTGAAACTCCAAGCAGATAAATTAAGTCTTTCAGCAAGAGCTTGGACCATAAATACTGCAGAGAG  
 AAAAGCCTTCTGAAGGCAGCTCCTGGCTTGTCAAGCAAACTGTTTTAGGTAGAGCCAATGGTCACGAAC  
 CTACCACAGACCCACAAGCTTCCAGACTTTCCCATGAAAGTTCAGTGGGGAGAGCCAAAGTCCAGGTGACAG  
 TGGCAAGACTGTGGTCTTGAACAAACATAGAAAGCGAGTTTGTTCATGGCTGCTACCAAGGGCTAGAGCAC  
 CACAGGAACAGGAGACCCCTGATTCCAAAGCAGTTCCAGCTTAACCAACACCCGAAGAGTCAGAGCGTCTC  
 TGATGATGATGAGAAAATATCCATGATTAGATTTCCGGTATAGGATTTTTCAGATCCAGCACTTCAGAAC  
 GAAAAGCAGAGTTTGAAGCTAAGAAAGGCCAGCGAAGTTGGGTACAGAAGTCACTGGGGACCATCAA  
 GAGAACCTTAGGGATAATAACACTGAGGGTGACAATTGCAATCCAGTCCCTTCCCTAGAACCTAAAGATC  
 CTTGTCGGTGTACGCCATACTTTCCAGACATGGACAGCAGTGCTGTGGGGAAGGGAAAAAAGTGTACCGT  
 GCCTGATGGTCCACTAAAGAAAACCCTGTATTGGACAAGGAGCATGGTTTAGATGACACATTCCTGAC  
 CAGCAGAAATGGCTGTGTTGCATACAATTGGGACCAGTCATCCTTGTCTAAGTGGGAATGTACAGAGC  
 AAATTCATGAAATCCCTTAATGGAACATCCTTCTAGTGACAAGTTCTCTCCAGAAAAGTAAAGAGCACT  
 TATGGCGCTGGGTGAGGAAAGCGGGACAAGTGTGTGACAGGATGACAGAGAGAAACTGCCAGTGTCTGGA  
 GCAGACAAATCTGTGAGTAGTGTAGACGGGCTGTGTCTGAGGAGCCTGCCAGAATGAGAACTCCAGA  
 TGGAGGAGGATGGGTCTCTGAAGCAGAGCATTCTAGTTCTAAGCTGCTGGACCACCTTACTGTAAAAG  
 TCCACTGGATGCTCCCTTGTGTGACAGTGAACCCAAAGTAAAAACCAATGTCAGGTGGCAGAGCAGC  
 CAGACAGCGTCTCCAGTGGATGATGAGCAGCTCTCAACCTGCCTTCTGGATTCTAGATGAGGTTATGA  
 AAAAGTATGGAAGTCTGGTCCCCTCAGTGAAAAAGATGCTTGGGAGATTAAGATGCTTTTAAATGA  
 AGACTTTTCTAATAGAAAACCATTATCAATAGGGAAAATAACAACTACCGGGCCAGACATCAAAGTGT  
 AACTTCCGCATCTTCTACAATAAGCACATGCTGGATATGGACGATCTGGCAACTTTGGATGGGCAGAACT  
 GGTGGAATGACCAGGTTATTAATATGTATGGCGAGCTGATAATGGATGACGTCCAGACAAGGTCCACTT  
 CTTCAACAGCTTTTTCCATAGACAGCTGGTAACCAAGGCTATAATGGAGTTAAAAGATGGACGAAGAAG  
 GTGGACTGTTTTAAAAGAGTCTTCTGTGATTCCCATCCACTGGAGGCTCCACTGGTCTCTCATTACTG  
 TGACACTCTCCAGCCGATTATTTCAATTTATGATTCCCAAGGCATTCTTTAAATTTCTGTGTAGAGAA  
 TATAAGAAAGTATTTGCTGACTGAAGCCAGAGAAAAAATAGACCTGAATTTCTCAGGGTTGGCAGACT  
 GCTGTTACAAAAGTATTTCCACAACAGAAAAATGACAGTGAAGTGTGGAGTCTTTGTGCTCCAGTACTGCA  
 AGTGCCTCGCCCTAGAGCAGCCTTTCCAGTTTTCTCAAGAAGACATGCCTCGTGTGCGGAAGAGGATCTA  
 TAAGGAGCTGTGTGAGTGCCGGCTCCTGGACTGAGACTCACTCAGCAGGGACTCCAGAAGGGCCATGAT  
 GGAGCAGATGGCTTGTACTTGAATCTCCAAACTTACTGAATCTTTACAGATATTTAGATTGGTGGT  
 ATTGGGCCACTTATTGTTACCTCAGATTTATTTTTGCCCTTCTTCTGCTATTATGACTTTTTTTTT  
 AATGTTCAATTTAGTTTCATTTTAACTTTATGGATTCCATATGTCCTCCCATATTTAATATTTATTAT  
 CCAAACGCATGCATATAGACAGAGCATGCAGTAAAGAGTATTAACAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_177103
- Insert Size:** 2250 bp
- OTI Disclaimer:** 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).
- 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:**

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:** [BC067014](#), [AAH67014](#)

**RefSeq Size:** 2650 bp

**RefSeq ORF:** 2250 bp

**Locus ID:** 320213

**UniProt ID:** [Q6NXL6](#)

**Cytogenetics:** 16 B2

**Gene Summary:** Protease that catalyzes two essential functions in the SUMO pathway; processing of full-length SUMO3 to its mature form and deconjugation of SUMO2 and SUMO3 from targeted proteins. Has weak proteolytic activity against full-length SUMO1 or SUMO1 conjugates. Required for cell division.[UniProtKB/Swiss-Prot Function]