

Product datasheet for **MG217815**

Senp7 (NM_001003971) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Senp7 (NM_001003971) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Senp7 |
| Synonyms: | 2410152H17Rik; 2810413I22Rik; 2900036C23Rik; 6030449K19Rik; AI790676; mKIAA1707 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG217815 representing NM_001003971 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTAGACCACAAAA
ACCAAAGCTGCCGTGGGTGTCCTCCTAAGGGATTACCAAAAAGGCATCTCAGAGTTATGTTGACGAAT
GTTCTATGGACGGACTTAGGACGAGAATTCAGAAAAGCCCTGCCTAGAAAAGGATGCTAATTTATGTGCTC
CCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGTCAAAGATTAGA
TCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATATCCGGCAAACA
GAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTGAAGCCAGTTTGAAGTACAGCCAACCTGA
AATCAGAGCAACTTTCTTCATCATCTGATGGCAGCTTAGAGTCTTGTGACAGTGTAAATCATCACAAGAG
CTTTTTATCTGAAAGTGGTCCCAAACCAAGTAGGACAGGTGACGTTCTCTGCAAAGGAGGCTGCATGTGGG
GGACAGAAGCAGGGTGATGATGGAGGAGTCACTCCTGAGATGGCTGCTCCTCATCCTAAAGACTTTAATA
CTGAAATAAAGGTTGTGATTATCTTGAAGAGGGGACCAGCAACAAGAATACTTCATATTCTTATTCGGA
AATGGACCATACTCCAGTTTCCAGGAAGAGAAAAGAAAGGGGTAGAAGTAATTTTCATGATTCTCATAAT
TCTAAGACTTCTTTGGATAAGCCAACAGAACATACAAAAGAAGAAGAAAATGACTCTTCAGTCTCCCGTA
AGCTTGAAGAGTCCGGTGAAGACTCTCACCAGGACCCAGCACCCGAAGGACTCGCGCCAGAATCTTT
AGAGAGCGAGGCCACTAACCTGCGCTCATTGCTGCTGGTTCAGGAGCCAGATGCTAGCGTGCCTCTGGA
AGGGCCTCTTCACCCAACAAAAGCTTGGAGAGCTCTGCTTCTAGTGAAGTGTGCGGAGAAATCTTCGTGG
CTGTGAAGGGTGAGGCGTTGACTCTAAAAGAAGCATCCCCTCCGGGTGGAAGCAGTGAAGAGAGCCAGTT
GTTGATCTCAGCTGAGCCAATTGTAGTTTCCAGTGATGAAGAAGGACCGTTGAACATAAGAATTCAGTA
ATTCTAAAATTACAGCCTCCTCATGAGATTATGAGTGAAGTACAGGCACTTCTGACCCACAGTTGTCAG
AGCTGACACTCGGTGCATGTGAATCTGTACAGGTAACATCTGAATTTCCATAACAATCCTGATGTAGA
AAACATTTCTGTATTAATCTAATAGTGAAGTGGATCTGAAATGGATTTCATATTTACATGTGTGAT



[View online »](#)

ATTGGTAAAATAAAAGGAACTCCAAAAGTTGTGTACGTTACAAAAGAAGTATATTAATAATCCCGTTTC
 AAGTGTCCACAAATGAGATTTCCCTGACAGTGGACACCGCACGTTTAAAGAGGTTTCGGGTTATGGGAAA
 CAAGGATGAGGACCACAGCAAGAGGAGCCACGCTATCCTTTTCTCTGGCTTTCTCAGACTACCTTCAA
 GACATTCAGACCCAGCTAGAAAACCCATGCTAAGCCAGCAATCAAAAGCCAATGAATTTATTTTCTTG
 AGTTAAACAGTTCATTTACAAAAGAGAAGAATTGAAATTGAAAGATATTATGATGGAATCAGTACAAA
 AAATGGAATTTACACCTGTCTTGTCCATTGCCCTGGGTCCAGGCACTTCTTTGTTTCAGGATCTCTCT
 CCACAAGAAATCTTTTTCTTCACTATTACTATGCTTCAGCTTCTGCTCTCCCACTGCTGCTGGGCGAG
 ACATGAAGAAGAAGTCAGTGTCTCAGCCCTCAAATTCAGACACCATCAAGCCTACTTACACCTTCTACA
 TAAACAAAGTAGTGGTTGCTACTCGCTCTCTATTACTTCAAGTCCAGAGGAGGAATGGCAGGAAGTCAGG
 AACACGGGACCCGTTCAGAAGTTGATTGTTTATCTCCACCACCTACTAAGGGAGGCTTGGGAGTAACTA
 ATGAAGATCTAGAGTGTTAGAAGAAGGAGAATTTCTAACGATGTAATCATTGACTTTTACCTTAAGTA
 TCTTCTATTGGAGAAGGCATCAGATGAACTTGTGAACGAAGTCACATTTTTAGTAGCTTTTCTATAAA
 TGCTTGACAAGAAAGGAAAATAATTTAACAGAAGATAATCCAGATCTATCAGTGGCTCAGAGGAGACACC
 GAAGAGTGAGAACATGGACTCGTCATATAAACATTTTTAATAAGACTACATCTTTGTACCTGTTAATGA
 ATCGTCTCACTGGTATCTTGCAGTCATTTGTTTCCCATGGCTAGAAGAGGCTGTGTATGAAGATTGTCCA
 CAAACTGTGTCCCAACAGTTCAGGGTACGAGTCTCAGCATGACCACAAAATGACAGATAATGATCCAC
 ATACCCTTCAACTGTGTCCACGAGTGCAGAGGATTTCCAAAAGTACCGAGGTGAATATGTCAGTACCAAA
 GAAAATGTGTAAGCGGCCATGATTCTCATACTAGACTCCCTGAAAGCTGCTTCTATACAAAACACAGTT
 CAGAAGTACGAGAGTATTTGGAGGTAGAGTGGGAGGTGAAACGAAAAACGCACCGTGAATTCAGTAAAA
 CCAATATGGTTCGACCTGTGCCCAAGTCCCTAAGCAGGATAACAGCAGTACTGTGGAGTCTATTTGTT
 GCAGTATGTGGAGAGCTTTTCCAGGATCCCATGTTAACTTTGAACTTCCAATTCACCTGGAGAAATGG
 TTTCTCGCCATGTAATAAGACCAACGGGAAGATATTCGAGAGCTCATTTTGAACCTCACTTACAGC
 AACAGAAGGGCGGCAGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217815 representing NM_001003971
 Red=Cloning site Green=Tags(s)

MDRARPGRRRASSEIVTEGKRKKSSPADLQKWTRSLRNKVICLDHKKPKAARGCPPKGLPKRHLRVMLTN
 VLWTDLGREFRKTLPRKDANLCAPSKVQSDSLPSTSVDSIETCQRLDPLHQSLNLSERTPRVILTDIRQT
 ELGRKYLKIPPVTEASLSDTANLKSEQLSSSSDGSLESCQSVNHHKSFLSESGPKPSRTGDVPAKEAACG
 GQKQGDDGGVTPEMAAPHPKDFNTGNKGDYLEEGTSNKNTSYSYSEMDHTPVSRKRKRGRSNFHDShN
 SKTSLDKPTEHTKEEENDSSVSRKLEESGEDSHQDPAPPEGLAPESLESEATNLSFAAGQEPDASAASG
 RASSPNKSLESSASSEVSENSVAVKGEALTLKEASPPGGSSEESQLLISAEPVIVSSDEEGPVEHKNSV
 ILKLQPPHEIMSENQGTSDPQLSELTLGACESVQVTSELPYNPVDVENISCIKSNSEMDLKLDFIFTCVY
 IGKIKGTPKGCVFTTKYIKIPFQVSTNEISLTVDTARLKRFLWESKDEDHRSRSHAILFLWSSDYLQ
 DIQTQLENPMLSQSKANEFIFLELNSSISQREELKLDIMMEISTKNGNLHLSCPLPWVQALPLFQDLS
 PQEISFLHYYYASASALPTAAGADMKKKSQSPNSDITKPTYTFLHKQSSGCYLSITSSPEEEWQEV
 NTGPVQKLIIVYPPPTKGGVGVTNEDLECLEEGEFLNDVIIDFYLYLLEKASDELVERSHIFSSFFYK
 CLTRKENNLTEDNPDLSVAQRRHRRVRTWRHINIFNKDYIFVPVNESSHWYLAVICFPWLEEVYEDCP
 QTVSQFQGGQSQHDHKMTDNDPHTTSTVSTSAEDSQSTEVENMSVPPKMKRIPCILILDSLKAASIQNTV
 QNLREYLEVEWEVKRTHREFSKTNMVDLCPKVPKQDSSDCGVYLLQYVESFFQDPIVNFELPIHLEK
 FPRHVIKTKREDIRELILKLHLQQKGGSC

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

| | |
|-------------------------------|---|
| 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: | <u>NM_001003971.1, NP_001003971.1</u> |
| RefSeq Size: | 4802 bp |
| RefSeq ORF: | 3033 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] |