

Product datasheet for **MG211497**

Senp7 (BC058593) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senp7 (BC058593) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Senp7
Synonyms:	mKIAA1707
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211497 representing BC058593 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGGGCCAGGCCTGGGCGTCGGCGAGCTTCATCAGAGATTGTTACAGAGGGAAAACGGAAAAAGT
CATCACCAGCTGATTTACAGAAGATAACAAAGTTGTTAACTGTAAAGTCAGAGGATGTTCTTGCTCAGTC
ACCATTGTCCAACTCAGAGGCTCAGAATGCTGGTGGACAAGAAGCCTAAGAAATAAAGTCATCTGTCTA
GACCACAAAAACAAAAGCTGCCCGTGGGTGTCCTCCTAAGGGATTACAAAAAGGCATCTCAGAGTTA
TGTTGACGAATGTTCTATGGACGACTTAGGACGAGAATTCAGAAAGACCCTGCCTAGAAAGGATGCTAA
TTTATGTGCTCCCAGCAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCATAGAGACATGT
CAAAGATTAGATCCTCTTCACCAAAGCCTTAATTTATCCGAAAGGACACCCAGAGTTATACTGACGGATA
TCCGGCAAACAGAATTAGGAAGAAAATATTTAAAGATCCCACCTGTAAGTGGCCAGTTTGAGTGATAC
AGCCAACCTGAAATCAGAGCAACTTTCTTCATCATCTGATGGCAGCTTAGAGTCTTGTCAGAGTGTAAAT
CATCACAAGAGCTTTTTATCTGAAAGTGGTCCCAAACCAAGTAGGACAGGTGACGTTCTGCAAAGGAGG
CTGCATGTGGGGACAGAAGCAGGGTGTGATGGAGGAGTCACTCCTGAGATGGCTGCTCCTCATCCTAA
AGACTTTAATACTGAAAATAAAGGTTGTGATTATCTTGAAGAGGGGACCAGCAACAAGAATACTTCATAT
TCTTATTCGAAAATGGACCATACTCCAGTTTCCAGGAAGAGAAAAGGGGTAGAAGTAAATTTTCATG
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CCAGAATCTTTAGAGAGCGAGGCCACTAACCTGCGCTCATTTCGCTGCTGGTCAGGAGCCAGATGCTAGCG
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TTCTTCCGTGGCTGTGAAGGGTGAAGGCTTACTCTAAAAGAAGCATCCCTCCGGGTGGAAGCAGTGAA
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AGAATTCAGTAATTCTAAAATTACAGCCTCCTCATGAGATTATGAGTGAAAATCAGGGCACTTCTGACCC
ACAGTTGTCAGAGCTGACTCGGTGCATGTGAATCTGTACAGGTAACATCTGAATTATTTCCATACAAT



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CCTGATGTAGAAAACATTTCTGTATTAATCTAATAGTGAAATGGATCTGAAATTGGATTTTCATATTTA
 CATGTGTGTATATTGGTAAAAAAAAGGAACTCCAAAAGGTTGTGTACAGTTTACAAAAGAAGTATATTTAA
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 TGGAGAAATGGTTTCTCGCCATGTAATAAAGACCAAACGGGAAGATATTCGAGAGCTCATTTTGAAGT
 TCACCTACAGCAACAGAAGGGCGGCAGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211497 representing BC058593
 Red=Cloning site Green=Tags(s)

MDRARPGRRRASSEIVTEGKRKKSPPADLQKIKITKLLTVKSEDLAQSPLSKLRGSECWTRSLRNKVICL
 DHKKPKAARGCPPKGLPKRHLRVMLTNVLWDLGREFRKTLPKRDANLCAPSKVQSDSLPSTSVDSIETC
 QRLDPLHQSLNLSERTPRVILDIRQTELGRKYLKIPPVTEASLSDTANLKSEQLSSSSDGSLESCQSVN
 HHKSFLSESGPKPSRTGDVPAKEAACGGQKQGDDGGVTPEMAAPHPKDFNTGNKGC DYLEEGTSNKNTSY
 SYSEMDHTPVSRKRKRGRSNFHDHSHNSKTSLDKPTTEHTKEEENDSSVSRKLEESGEDSHQDPAPPEGLA
 PESLESEATNLSFAAGQEPDASAASGRASSPNKSLESSASSEVSENSVAVKGEALTLKEASPPGGSSE
 ESQLLISAEPVIVSSDEEGPVEHKNSVILKLPPEHIMSENQGTSDPQLSELTLGACESVQVTSSELPYN
 PDVENISCIKSNSEMDLKLDFIFTCVYIGKIKGTPKGCVTFTKKYIKIPFQVSTNEISLTVDTARLKRFG
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 ISTKNGNLHLSCPLPWVQALPLFQDLSPQEISFLHYYYASASALPTAAGADMKKKSVSQSNSDTIKPTY
 TFLHKQSSGCYSLSITSSPEEEWQEVNRTGPVQKLIYVPPPTKGGLVGTNEDLECEEGEFLNDVIIDF
 YLKYLLLEKASDELVERSHIFSSFFYKCLTRKENNLTEDNPDLVAQRHRRVRTWTRHINIFNKDYIFV
 PVNESSHWYLAVICFPWLEEAUVYEDCPQTVSQFQGGQSQHDHKMTDNDPHTTSTVSTSAEDSQSTEVM
 SVPKMKCRPCILILDSLKAASIQNTVQNLREYLEVEWEVKRKTTHREFSKTNMVDLCPKVPKQDNSSDCG
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TRTRPLE - GFP Tag - V

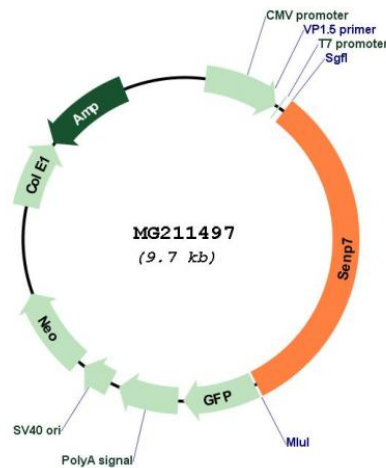
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: BC058593

ORF Size: 3113 bp

OTI Disclaimer: 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. [More info](#)

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:	BC058593 , AAH58593
RefSeq Size:	4788 bp
RefSeq ORF:	3113 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]