

Product datasheet for **MG217928**

Senp8 (NM_001172071) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Senp8 (NM_001172071) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Senp8
Synonyms: 9130010J17Rik; AU020827; Den1; Nedp1; Prsc2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217928 representing NM_001172071
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTGGAATTTCTGAGAATCCCTGCTCAATACAAGATGGACCCTGTGGTCTTGAGTTATATGGACA
GTCTATTGCGGCAATCAGATGTCTCACTATTGGACCCTCAAGCTGGCTCAACGACCACATTATTGGTT
TGCCTTTGAATACTTTGCCAATAGTCAGTTTCATGACTGCTCAGACCATGTCTGTTTCATCAGCCCTGAA
GTCACCCAGTTCATTAAGTGCACCAGCAGCCCTGCAGAAATTGCCATGTTCCCTTGAACCCCTGGATCTTC
CCCACAAAAGAGTGGTATTTTTAGCCATCAATGATAATTCTAACCAGGCAGCCGGAGGTACCCACTGGAG
TTTGTTGGTTTATCTCCAAGATAAAAATAGCTTCTTTCATTATGATTCCCATAGCAGGAGCAACTCAATC
CATGCAAAGCAGGTAGCAGAGAACTGAAGCTTCTTAGGCAGCAAAGGAGACAACTGGTCTTTGTGG
AAGAGAAAGCCCCAGCTCAAGAGAACAGCTATGACTGTGGGATGTACGTGATATGTAACCCGAGGCCTT
GTGTCAGAGTCTCTTTAGACGGCAGCCAGAGTCCCCGCTGCAGCTACTACCCCGACATACATCACAAAAG
AAGAGAGGAGAATGAAAAGATCTAATTGCCAGACTTGCTAAAAAAACGAAGTAGCTACTGAAGAATGCT
CG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217928 representing NM_001172071
Red=Cloning site Green=Tags(s)

MLLEFLRIPAQYKMDPVVLSYMSLLRQSDVSLDPPSWLNDHIIGFAFEYFANSQFHDCSDHVCFISPE
 VTQFIKCTSSPAEIAMFLEPLDLPHKRVVFLAINDNSNQAAAGTHWSLLVYLQDKNSFFHYDHSRSNSI
 HAKQVAEKLKAF LGSKGDKLVFVEEKAPAQENSYDCGMVICNTEALCQSLFRRQPESPLQLLTPTYITK
 KRGEWKDLIARLAKKNEVATEECS

TRTRPLE - GFP Tag - V

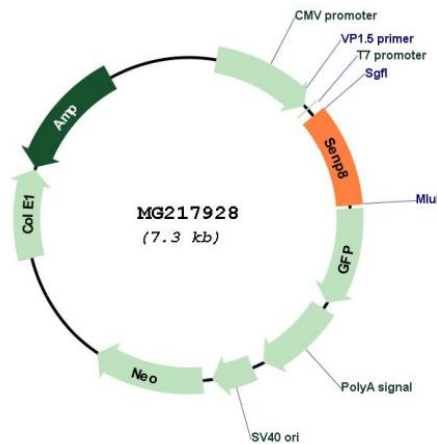
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001172071

ORF Size: 702 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:	NM_001172071.1 , NP_001165542.1
RefSeq Size:	3792 bp
RefSeq ORF:	705 bp
Locus ID:	71599
UniProt ID:	Q9D2Z4
Cytogenetics:	9 B
Gene Summary:	Protease that catalyzes two essential functions in the NEDD8 pathway: processing of full-length NEDD8 to its mature form and deconjugation of NEDD8 from targeted proteins such as cullins or p53.[UniProtKB/Swiss-Prot Function]