

Product datasheet for **MG216429**

Senp8 (NM_001172070) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| 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: >MG216429 representing NM_001172070
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCTGTGGTCTTGAGTTATATGGACAGTCTATTGCGCAATCAGATGTCTCACTATTGGACCCTC
CAAGCTGGCTCAACGACCACATTATTGGGTTTGCCTTTGAATACTTTGCCAATAGTCAGTTTCATGACTG
CTCAGACCATGTCTGTTTCATCAGCCCTGAAGTCAACCAGTTCATTAAGTGCACCAGCAGCCCTGCAGAA
ATTGCCATGTTCCCTGAACCCCTGGATCTTCCCACAAAAGAGTGGTATTTTTAGCCATCAATGATAATT
CTAACCAGGCAGCCGGAGGTACCCACTGGAGTTTGTGGTTTATCTCCAAGATAAAAAATAGCTTCTTCA
TTATGATTCATAGCAGGAGCAACTCAATCCATGCAAAGCAGGTAGCAGAGAACTGAAGGCTTCTTCA
GGCAGCAAAGGAGACAACTGGTCTTTGTGGAAGAGAAAGCCCGAGCTCAAGAGAACAGCTATGACTGTG
GGATGTACGTGATATGTAACACCGAGGCCTTGTGTGAGTCTCTTTAGACGGCAGCCAGAGTCCCCGCT
GCAGCTACTACCCCGACATACATCACAAGAAGAGAGGAGAATGGAAAGATCTAATTGCCAGACTTGCT
AAAAAAACGAAGTAGCTACTGAAGAATGCTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216429 representing NM_001172070
Red=Cloning site Green=Tags(s)

MDPVVLSYMDSLLRQSDVSLLDPPSWLNDHIIGFAFEYFANSQFHDCSDHVCFISPEVTQFIKCTSSPAE
IAMFLEPLDLPHKRIVVFLAINDNSNQAAGGTHWSLLVYLQDKNSFFHYDSHSRSNSIHAKQVAEKLKAF
GSKGDKLVFVEEKAPAQENSYDCGMVICNTEALCQSLFRRQPESPLQLLTPTYITKKRGEWKDLIARLA
KKNEVATEECS

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001172070

ORF Size: 663 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001172070.1](#), [NP_001165541.1](#)

RefSeq Size: 3775 bp

RefSeq ORF: 666 bp

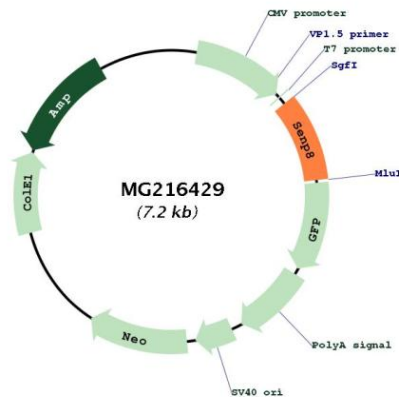
Locus ID: 71599

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]

Product images:



Circular map for MG216429