

Product datasheet for **RG206791**

SENP8 (NM_145204) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SENP8 (NM_145204) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SENP8
Synonyms: DEN1; NEDP1; PRSC2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206791 representing NM_145204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCCGTAGTCTTGAGTTACATGGACAGTCTACTGCGGCAATCAGATGTCTCACTATTGGATCCGC
 CAAGCTGGCTCAATGACCATATTATTGGGTTTGCCTTTGAGTACTTTGCCAACAGTCAGTTTCATGACTG
 CTCTGATCAGTCAGTTTCATCAGCCCTGAAGTCAACCCAGTTCATCAAGTGCCTAGCAACCCAGCAGAG
 ATTGCCATGTTTCTTGAACCACTGGACCTCCCCAACAAAGAGAGTTGTATTTTAGCCATCAATGATAACT
 CCAACCAGGCAGCTGGAGGAACCACTGGAGTTTATTGGTCTACCTCAAGATAAAAAATAGCTTTTTTCA
 TTATGATTTCCATAGCAGGAGCAACTCAGTTCAGCAAAGCAGGTAGCAGAGAAACTGGAGGCTTTCTTA
 GGCAGAAAAGGAGACAACTGGCCTTTGTGGAAGAGAAAGCCCTGCCCAACAAAACAGCTATGACTGTG
 GGATGTACGTGATATGTAACACTGAGGCCTTGTGTGAGAACTTCTTTAGGCAACAGACAGAATCACTGCT
 GCAGCTACTCACCCCTGCATACATCACAAAGAAGAGGGGAGAAATGGAAAGATCTCATTGCCACACTTGCT
 AAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206791 representing NM_145204
Red=Cloning site Green=Tags(s)

MDPVVLSYMSDLLRQSDVSLDPPSWLNDHIIGFAFEYFANSQFHDCSDHVSFISPEVTQFIKCTSNPAE
 IAMFLEPLDLPNKRVVFLAINDNSNQAAGGTHWSLLVYLQDKNSFFHYDHSRSNSVHAKQVAEKLEAFL
 GRKGDKLAFVEEKAPAQQNSYDCGMVVICNTEALCQNFRRQTESLLQLLTPAYITKKRGEWKDLIATLA
 KK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145204

ORF Size: 636 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.

RefSeq: [NM_145204.2](#), [NP_660205.2](#)

RefSeq Size: 1485 bp

RefSeq ORF: 639 bp

Locus ID: 123228

UniProt ID: [Q96LD8](#)

Cytogenetics: 15q23

Domains: Peptidase_C48

Protein Families: Druggable Genome, Protease

Gene Summary: This gene encodes a cysteine protease that is a member of the sentrin-specific protease family. The encoded protein is involved in processing and deconjugation of the ubiquitin-like protein termed, neural precursor cell expressed developmentally downregulated 8. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]

Product images:



Circular map for RG206791