

Product datasheet for **RG229696**

SENP8 (NM_001172111) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SENP8 (NM_001172111) 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:	>RG229696 representing NM_001172111 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCCGTAGTCTTGAGTTACATGGACAGTCTACTGCGGCAATCAGATGTCTCACTATTGGATCCGC
CAAGCTGGCTCAATGACCATATTATTGGGTTTGCCTTTGAGTACTTTGCCAACAGTCAGTTTCATGACTG
CTCTGATCAGTCAGTTTCATCAGCCCTGAAGTACCCAGTTCATCAAGTGCCTAGCAACCCAGCAGAG
ATTGCCATGTTTCTTGAACCACTGGACCTCCCCAACAAAGAGAGTTGTATTTTAGCCATCAATGATAACT
CCAACCAGGCAGCTGGAGGAACCACTGGAGTTTATTGGTCTACCTCCAAGATAAAAAATAGCTTTTTTCA
TTATGATTTCCATAGCAGGAGCAACTCAGTTCACGCAAAGCAGGTAGCAGAGAAACTGGAGGCTTTCTTA
GGCAGAAAAGGAGACAACTGGCCTTTGTGGAAGAGAAAGCCCCTGCCAACAAAACAGCTATGACTGTG
GGATGTACGTGATATGTAACACTGAGGCCTTGTGTGAGAACTTCTTTAGGCAACAGACAGAATCACTGCT
GCAGCTACTACCCCTGCATACATCACAAAGAAGAGGGGAGAAATGGAAAGATCTCATTACCACACTTGCT
AAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229696 representing NM_001172111
 Red=Cloning site Green=Tags(s)

MDPVVLSYMSDLLRQSDVSLDPPSWLNDHIIGFAFEYFANSQFHDCSDHVSFISPEVTQFIKCTSNPAE
 IAMFLEPLDLPNKRVVFLAINDNSNQAAGGTHWSLLVYLQDKNSFFHYDSHSRSNSVHAKQVAEKLEAFL
 GRKGDKLAFVEEKAPAQQNSYDCGMYVICNTEALCQNFRRQTESLLQLLTPAYITKRRGEWKDLITTLA
 KK

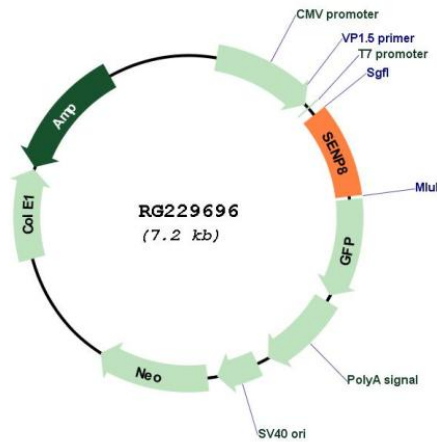
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001172111

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:	<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_001172111.2
RefSeq Size:	1693 bp
RefSeq ORF:	639 bp
Locus ID:	123228
UniProt ID:	Q96LD8
Cytogenetics:	15q23
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]