

## Product datasheet for **RG229694**

### SENP8 (NM\_001172109) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SENP8 (NM_001172109) 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:	>RG229694 representing NM_001172109 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCCGTAGTCTTGAGTTACATGGACAGTCTACTGCGGCAATCAGATGTCTCACTATTGGATCCGC  
CAAGCTGGCTCAATGACCATATTATTGGGTTTGCCTTTGAGTACTTTGCCAACAGTCAGTTTCATGACTG  
CTCTGATCAGTCAGTTTCATCAGCCCTGAAGTACCCAGTTCATCAAGTGCCTAGCAACCCAGCAGAG  
ATTGCCATGTTTCCTTGAACCACTGGACCTCCCCAACAAAGAGAGTTGTATTTTAGCCATCAATGATAACT  
CCAACCAGGCAGCTGGAGGAACCACTGGAGTTTATTGGTCTACCTCCAAGATAAAAATAGCTTTTTTCA  
TTATGATTTCCATAGCAGGAGCAACTCAGTTCACGCAAAGCAGGTAGCAGAGAAACTGGAGGCTTTCTTA  
GGCAGAAAAGGAGACAACTGGCCTTTGTGGAAGAGAAAGCCCCTGCCCAACAAAACAGCTATGACTGTG  
GGATGTACGTGATATGTAACACTGAGGCCTTGTGTGAGAACTTCTTTAGGCAACAGACAGAATCACTGCT  
GCAGCTACTACCCCTGCATACATCACAAAGAAGAGGGGAGAAATGGAAAGATCTCATTACCACACTTGCT  
AAAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG229694 representing NM\_001172109  
 Red=Cloning site Green=Tags(s)

MDPVVLSYMSDLLRQSDVSLDPPSWLNDHIIGFAFEYFANSQFHDCSDHVSFISPEVTQFIKCTSHPAE  
 IAMFLEPLDLPNKRVVFLAINDNSNQAAGGTHWSLLVYLQDKNSFFHYDHSRSNSVHAKQVAEKLEAFL  
 GRKGDKLAFVEEKAPAQQNSYDCGMYVICNTEALCQNFRRQTESLLQLLTPAYITKKRGEWKDLITTLA  
 KK

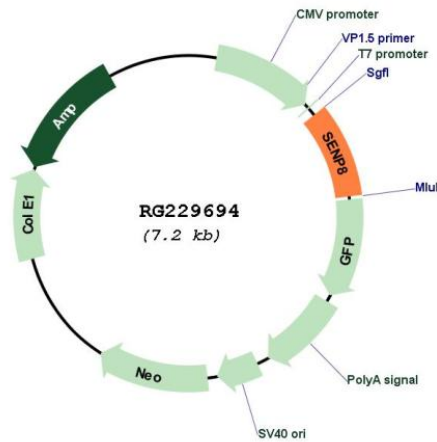
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001172109

**ORF Size:** 636 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001172109.1</a> , <a href="#">NP_001165580.1</a>
<b>RefSeq Size:</b>	1834 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	123228
<b>UniProt ID:</b>	<a href="#">Q96LD8</a>
<b>Cytogenetics:</b>	15q23
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Gene Summary:</b>	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]