

Product datasheet for **RG234646**

SENP1 (NM_001267595) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SENP1 (NM_001267595) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SENP1
Synonyms:	SuPr-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234646 representing NM_001267595
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGATATTGCTGATAGGATGAGGATGGATGCTGGAGAAGTGACTTTAGTGAACCACAACCTCCGTAT
 TCAAAACCCACCTCCTGCCACAAACAGGTTTTCCAGAGGACCAGCTTTCGCTTTCTGACCAGCAGATTTT
 ATCTTCCAGGCAAGGACATTTGGACCGATCTTTTACATGTTCCACAAGAAGTGCAGCTTATAATCCAAGC
 TATTACTCAGATAATCCTTCCTCAGACAGTTTTCTGGCTCAGGCGATTTAAGAACCCTTTGGCCAGAGTG
 CAAATGGCCAATGGAGAAATTCTACCCCATCGTCAAGCTCATCTTTACAAAAATCAAGAAACAGCCGAAG
 TCTTTACCTCGAAACCCGAAAGACCTCAAGTGGATTATCAACAGTTTTGCGGGAAGTCAAAACCATCAC
 TGCCATGTATCTGCATATGAAAAATCTTTCTATTAAACCTGTTCAAGTCCATCTTGGAGTGGTTCAT
 GTCGTCGAAGTCTTTTGAGCCCCAAGAAAACCTCAGAGGCGACATGTTAGTACAGCAGAAGAGACAGTTCA
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 CATTTTAACTAACCAGGAACAGCTGTCCACAGTGATATTCCTATCTTCTTATACCCAGATGTTGCA
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 GGCACTTTTTCAGCAAGAAAAGCCAGGAGATTCCTCAGCAGATGAATGGAAGTGACTGTGGGATGTTTGC
 CTGCAATATGCTGACTGTATTACCAAAGACAGACCAATCAACTTCACACAGCAACACATGCCATACTTC
 CGGAAGCGGATGGTCTGGGAGATCCTCCACCGAAAACCTTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

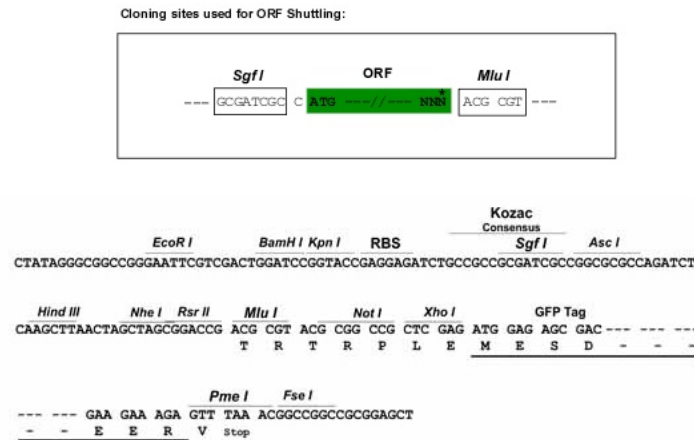
>RG234646 representing NM_001267595
 Red=Cloning site Green=Tags(s)

MDDIADRMMDAGEVTLVNHNSVFKTHLLPQTGFPEQQLSLSDQQLSSRQGHLDRSFTCSTRSAAYNPS
 YYSNPSSDSFLGSGDLRTFGQSANGQWRNSTPSSSSSLQKSRNSRSLYLETRKTSSGLSNSFAGKSNHH
 CHVSAYEKSFPPIKVPSPSWSGSCRRSLLSPKKTQRRHVSTAEETVQEEEREIYRQLLMVTGKQFTIAK
 PTTHFPLHLRCLSSSKNTLKDSLFGKNGNSCASQIIGSDTSSSGSASILTNQEQLSHSVYSLSSYTPDVA
 FGSKDSGTLHHPHHHSVPHQPDNLAASNTQSEGSDSVILLKVKDSQTPSPSTFFQAEWLKELTSVYD
 SRARERLRQIEEQKALALQLQNQLQEREHSVHDSVELHLRVPLEKEIPVTVVQETQKKGHLTDSEDEF
 PEITEEMEKEIKNVFRNGNQDEVLSAFLRTITRKDIQTLNHLNLNDEIINFYMNMLMERSKEKGLPSV
 HAFNTFFFTKLKTAGYQAVKRWTKKVDVFSVDILLVPIHLGVHWC LAVVD FRKKNITYYDSMGGINNEAC
 RILLQYLKQESIDKKKEFDTNWQLFSKKSQEI PQQMNGSDCGMFAKYADCITKDRPINFTQQHMPYF
 RKRMVWEILHRKLL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001267595

ORF Size: 1932 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_001267595.2](#)

RefSeq Size: 4948 bp

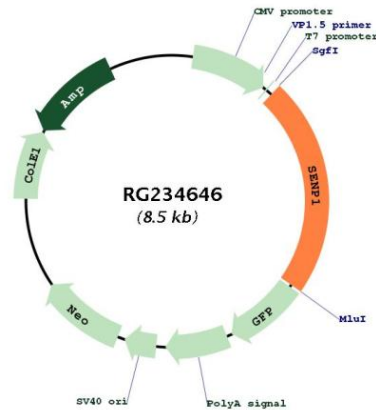
RefSeq ORF: 1935 bp

Locus ID: 29843

UniProt ID: [Q9P0U3](#)

Cytogenetics:	12q13.11
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene encodes a cysteine protease that specifically targets members of the small ubiquitin-like modifier (SUMO) protein family. This protease regulates SUMO pathways by deconjugating sumoylated proteins. This protease also functions to process the precursor SUMO proteins into their mature form. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG234646