

Product datasheet for **RC234646**

SENP1 (NM_001267595) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SENP1 (NM_001267595) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SENP1
Synonyms:	SuPr-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC234646 representing NM_001267595
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGATATTGCTGATAGGATGAGGATGGATGCTGGAGAAGTGACTTTAGTGAACCACAACCTCCGTAT
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ATCTTCCAGGCAAGGACATTTGGACCGATCTTTTACATGTTCCACAAGAAGTGCAGCTTATAATCCAAGC
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GACTCCAACTCCCAGTTCTACTTTCTTCCAGGCAGAGCTGTGGATCAAAGAATTAAGTGTATGAT
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CTGCAATATGCTGACTGTATTACCAAAGACAGACCAATCAACTTCACACAGCAACACATGCCACTTTC
CGGAAGCGGATGGTCTGGGAGATCCTCCACCGAAAACCTTTG

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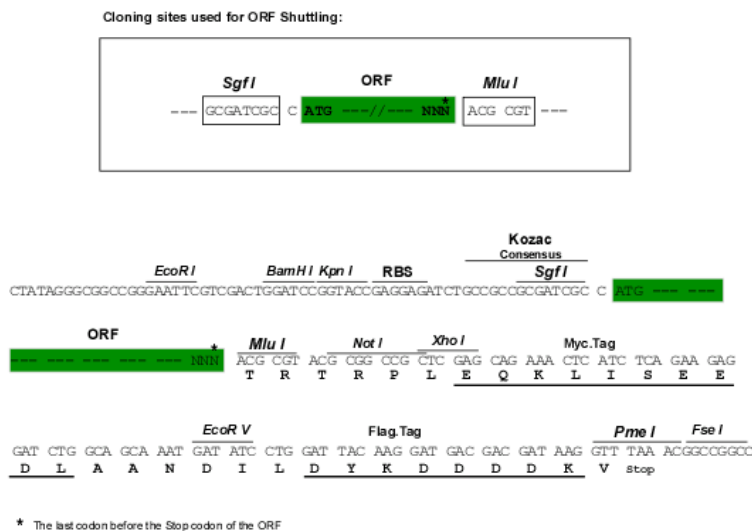
Protein Sequence: >RC234646 representing NM_001267595
Red=Cloning site Green=Tags(s)

MDDIADRMMDAGEVTLVNHNSVFKTHLLPQTGFPEQQLSLSDQQILSSRQGHLDRSFTCSTRSAAYNPS
 YYSNPDSSDFLGSGLRTRFGQSANGQWRNSTPSSSSSLQKSRNSRSLYLETRKTSGLNSFAGKSNHH
 CHVSAYEKSFPIKVPVSPSWSGSCRRSLLSPKKTQRRHVSTAEETVQEEEREIYRQLLQMTGKQFTIAK
 PTTTFPLHLSRCLSSSKNTLKDSLFKNGNSCASQIIGSDTSSSGSASILTQEQLSHSVYLSSTYTPDVA
 FGSKDSGTLHHPHHHSHVPHQPDNLAAASNTQSEGSDSVILLKVKDSQTPPTSSTFFQAEWLWIKELTSVYD
 SRARERLRQIEEQKALALQLQNQRLQEREHSVHDSVELHLRVPLEKEIPVTVVQETQKKGHKLTDESEF
 PEITEEMEKEIKNVFRNGNQDEVLSEAFRLTITRKDIQTLNHLNWLNDEIINFYMNMLMERSKEKGLPSV
 HAFNTFFFTKLTAGYQAVKRWTKKVDVFSVDILLVPIHLGVHWCLAVVDFRKNKITYYDSMGGINNEAC
 RILLQYLKQESIDKKRKEFDTNWQLFSKKSQEIPOQMNGSDCGMFACTYADCITKDRPINFTQQHMPYF
 RKRMVWEILHRKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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](#)

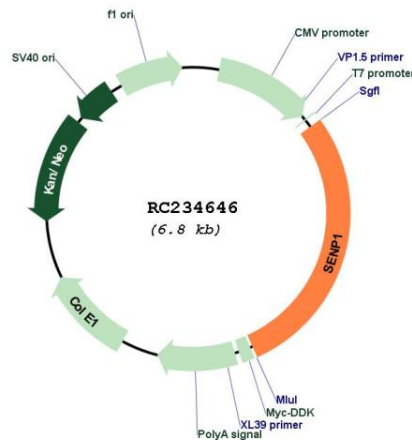
Cytogenetics: 12q13.11

Protein Families: Druggable Genome, Protease

MW: 73.9 kDa

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 RC234646