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Product datasheet for RC239736

SENP7 (NM_001282803) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SENP7 (NM_001282803) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SENP7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RC239736 representing NM_001282803
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTAAATGCAAAACCAGAGGATGTCCATGTTCAATCACCACTGTCCAAATTCAGAAGCTCAGAACGCT
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ACATATCCGAGGGTGTCCTGTTACTTCCAAGTCATCACCAGAAAGGGGCTCACAACGAAGTAAGACAGTA
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Protein Sequence:

>RC239736 representing NM_001282803
Red=Cloning site Green=Tags(s)

MLNAKPEDVHVQSPLSKFRSSERWTLPLQWERSLRNKVISLDHKNKKHIRGCPVTSKSSPERGSQRSKTV
DDNSAKQTAHNKEKRRKDDGISLLISDTQPEDLNSGSRGCDHLEQESRNKDVKYSDSKVELTLISRKTKR
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ELTLSNATKSASAGSTTETVENSNSIDIVGISSLVEKDENELNTIEKPILRGHNEGNQSLISAEPIVVSS
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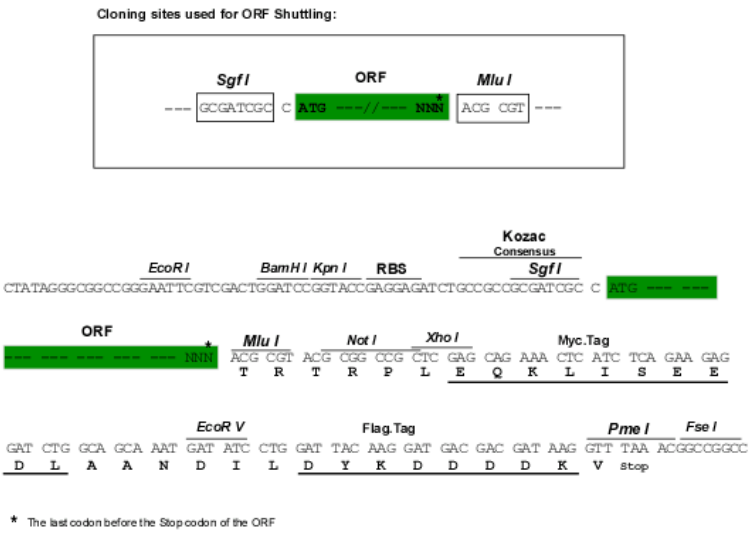
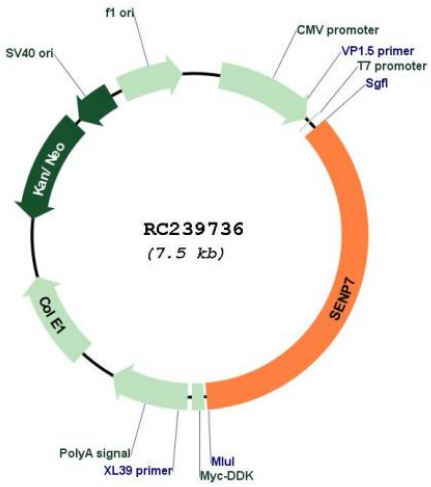
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001282803
ORF Size:	2658 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_001282803.2
RefSeq Size:	4575 bp
RefSeq ORF:	2661 bp
Locus ID:	57337
UniProt ID:	Q9BQF6
Cytogenetics:	3q12.3
Protein Families:	Druggable Genome, Protease
MW:	101.6 kDa
Gene Summary:	The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for many cellular processes. SUMO-specific proteases, such as SENP7, process SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also display isopeptidase activity for deconjugation of SUMO-conjugated substrates (Lima and Reverter, 2008 [PubMed 18799455]).[supplied by OMIM, Jun 2009]