

Product datasheet for **RC225000**

SRP9 (NM_001130440) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SRP9 (NM_001130440) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SRP9
Synonyms: ALURBP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC225000 representing NM_001130440
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGAGTACCAGACCTGGGAGGAGTTCAGCCGCGCTGCCGAGAAGCTTTACCTCGTGACCCTATGA
AGGCACGTGTGGTCTCAAATATAGGCATTCTGATGGAACTTGTGTGTTAAAGTAACAGATGATTTAGT
TAGACAGTGTCTTGCTCTATTGCTCAGGCTGCAGTGCAGTGGCATGATCATGGCTCACTGCATCCTCGAC
CTCCTGGGCTCAAGCGGTCTTGTTCAGCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225000 representing NM_001130440
Red=Cloning site Green=Tags(s)

MPQYQTWEEFSRAAEKLYLADPMKARVVLKYRHSDGNLCVKVTDLVRQCLALLLRLQCSGMIMAHCILDL
LLGSSGPLASAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

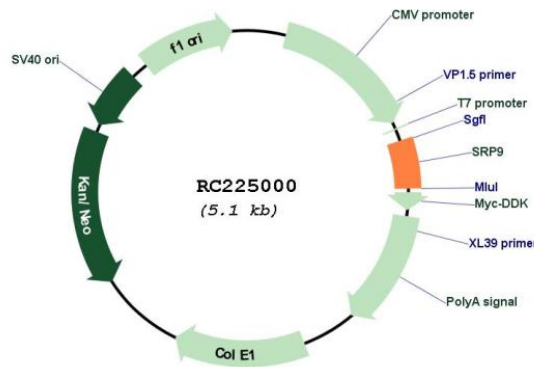


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001130440

ORF Size: 246 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:	<u>NM_001130440.1</u> , <u>NP_001123912.1</u>
RefSeq ORF:	249 bp
Locus ID:	6726
UniProt ID:	<u>P49458</u>
Cytogenetics:	1q42.12
Protein Families:	Druggable Genome
Protein Pathways:	Protein export
MW:	8.9 kDa
Gene Summary:	Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP9 together with SRP14 and the Alu portion of the SRP RNA, constitutes the elongation arrest domain of SRP. The complex of SRP9 and SRP14 is required for SRP RNA binding.[UniProtKB/Swiss-Prot Function]