

Product datasheet for **RG225000**

SRP9 (NM_001130440) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SRP9 (NM_001130440) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SRP9
Synonyms: ALURBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225000 representing NM_001130440
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCAGTACCAGACCTGGGAGGAGTTCAGCCGCGCTGCCGAGAAGCTTTACCTCGCTGACCCTATGA
AGGCACGTGTGGTTCTCAAATATAGGCATTCTGATGGAACTTGTGTGTTAAAGTAACAGATGATTTAGT
TAGACAGTGTCTTGCTCTATTGCTCAGGCTGCAGTGCAGTGGCATGATCATAGCTCACTGCATCCTCGAC
CTCCTGGGCTCAAGCGTCTCTTGCTTCAGCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225000 representing NM_001130440
Red=Cloning site Green=Tags(s)
MPQYQTWEEFSRAAEKLYLADPMKARVVLKYRHSNGNLCVKVTDLLVRQCLALLLRLQCSGMIIAHCILD
LLGSSGPLASAS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

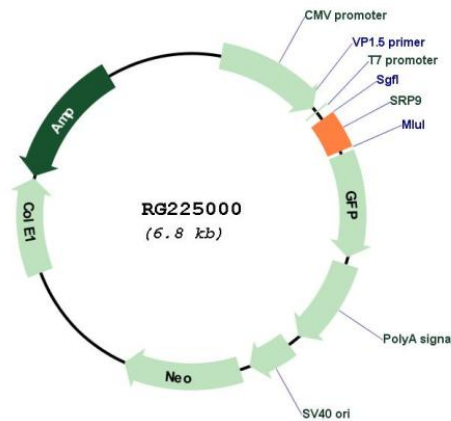


[View online »](#)

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:	NM_001130440.1 , NP_001123912.1
RefSeq Size:	1648 bp
RefSeq ORF:	249 bp
Locus ID:	6726
UniProt ID:	P49458
Cytogenetics:	1q42.12
Protein Families:	Druggable Genome
Protein Pathways:	Protein export
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]