

## Product datasheet for **SC330690**

### SRP68 (NM\_001260503) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SRP68 (NM\_001260503) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SRP68  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330690 representing NM\_001260503.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

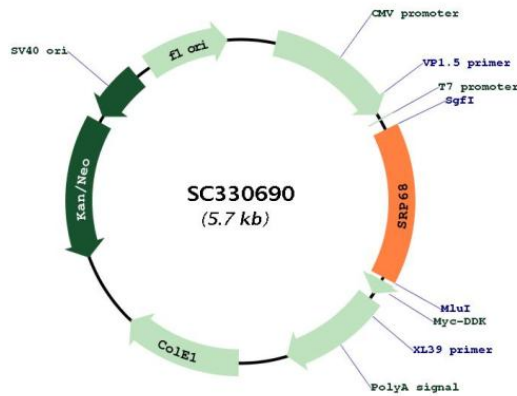
```
ATGCTCAGCGAGTGTCTGGGACGCCATCCAGGTGGTTCGGGAGGAGCTCAAGCCAGATCAGAAACAGAGA  
GATTATATCCTTGAAGGAGAGCCAGGGAAGGTGTCTAATCTTCAATACTTGCATAGCTACCTGACTTAC  
ATCAAGCTATCAACGGCAATCAAGCGTAATGAGAACATGGCCAAAGGTCTGCAGAGGGCTCTGCTGCAG  
CAGCAGCCAGAGGATGACAGCAAGCGCTCACCCGGCCCCAGGACCTGATCCGACTCTATGACATCATC  
TTACAGAATCTGGTGAATTGCTCCAGCTTCTGGTTTAGAGGAAGACAAAGCCTCCAGAAAGAGATA  
GGCCTCAAGACTCTGGTGTCAAAGCTTACAGGTGTTTTTTCATTGCTCAGTCCTATGTGCTGGTGAAG  
AAGTGGAGCGAAGCCCTTGTCTGTATGACAGAGTCTGAAATATGCAAATGAAGTAAATTCTGATGCT  
GGCGCCTTCAAGAACAGCCTAAAGGACCTGCCTGATGTGCAAGAGCTCATCACTCAAGTGCGGTCAGAG  
AAGTGCTCCCTGCAGGCCGAGCCATCCTTGATGCAAACGACGCTCATCAAACAGAGACCTCCTCCTCC  
CAAGTCAAGGACAATAAGCCTCTGGTTGAACGGTTTGGAGACATTCTGCCTGGACCCTTCCCTTGTACC  
AAGCAAGCCAACCTTGTGCACTTCCACCAGGCTTCCAGCCCATTCCCTGCAAGCCTTGTCTTTGAC  
CTGGCCCTCAACCATGTGGCTTCCACCCTTGGAGACAAGTTGGAACAGAAGACCAAGAGTGGCCTC  
ACTGGATACATCAAGGCATCTTGGATTCAGGAGCTAA
```

**Restriction Sites:** SgfI-MluI



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Plasmid Map:



ACCN: NM\_001260503

Insert Size: 867 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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\\_001260503.1](#)

**RefSeq Size:** 2045 bp

**RefSeq ORF:** 867 bp

**Locus ID:** 6730

**UniProt ID:** [Q9UHB9](#)

**Cytogenetics:** 17q25.1

**Protein Pathways:** Protein export

**MW:** 32.9 kDa

**Gene Summary:** This gene encodes a subunit of the signal recognition particle (SRP). The SRP is a ribonucleoprotein complex that transports secreted and membrane proteins to the endoplasmic reticulum for processing. The complex includes a 7S RNA and six protein subunits. The encoded protein is the 68kDa component of the SRP, and forms a heterodimer with the 72kDa subunit that is required for SRP function. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and three pseudogenes of this gene are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, May 2012]

**Transcript Variant:** This variant (3) lacks a large portion of the 5' coding region, uses an alternate 5'-most exon and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus compared to isoform 1.