

## Product datasheet for **SC332745**

### SRP68 (NM\_001260502) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SRP68 (NM\_001260502) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SRP68  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332745 representing NM\_001260502.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGCTGAGAAGCAGGTCCCAGGCGGCGGGCGGGCGGCAGTGGCGGGCGCGGTGGCAGTGGC
GGCGGGCGGTAGCGGCGGTGGACGTGGTGCCGAGGGGAAGAAAATAAAGAAAACGAACGCCCTTCGGCC
GGATCGAAGGCAAACAAGAATTTGGGGATAGCCTGAGTTGGAGATTCTCAGATTATTAAGGAATCC
CAGCAGCAGCATGGTTTACGGCATGGAGATTTTACAGGTACAGATACTTGCTTCTGGTTCTGATGGAT
GCTGAAAGAGCCTGGAGCTACGCCATGCAGCTGAAACAGGAAGCCAACTGAACCCCGAAAACGGTTT
ACTTGTATCTCGCCTACGCAAAGCCTGAAGCATGCAGAGGAATTGGAACGCTTGTGTGAGAGCAAT
CGCGTGGATGCCAAGACCAAATTAAGAGGCTCAGGCTTACACAGCTTACCTCTCAGGAATGCTACGTTTT
GAACATCAAGAATGAAAAGCTGCCATTGAGGCTTTTAACAAATGCAAACTATCTATGAGAAGCTAGCC
AGTGCTTTACAGAGGAGCAGGCTGTGCTGTATAACCAACGTGTGGAAGAGATTTACCCCAACATCCGC
TATTGTGCATATAATTTGGGACCAGTCAGCCATCAATGAACCTATGCAGATGAGATTGAGGTCTGGG
GGCACTGAGGGTCTCTGGCTGAAAAATGGAGGCTTTGATCACTCAGACTCGAGCCAAACAGGCAGCT
ACCATGAGTGAAGTGGAGTGGAGAGGGAGAACGGTTCCAGTGAAGATTGACAAAGTGCATTTTTCTTA
TTAGGACTGGCTGATAACGAAGCAGCTATTGTCCAGGCTGAAAGCGAAGAACTAAGGAGCGCTGTTT
GAATCAATGCTCAGCGAGTGTCCGGACGCCATCCAGGTGGTTCCGGAGGAGCTCAAGCCAGATCAGAAA
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ATCATCTTACAGAATCTGGTGAATTGTCCAGCTTCTGGTTTAGAGGAAGACAAGCCTTCCAGAAA
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GTGAAGAAGTGGAGCGAAGCCCTTGTCTGTATGACAGAGTCTGAAATATGCAATGAAGTAAATTTCT
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TCAGAAAGTGTCCCTGCAGGCCGACCCATCCTTGTGCAAAACGACGCTCATCAACAGAGACCTCC
TCTCCCAAGTCAAGGACAATAAGCCTCTGGTTGAAACGTTTGAACATTCTGCCTGGACCTTCCCTT
GTCACCAAGCAAGCCAACCTTGTGCACTTCCCACCAGGCTTCCAGCCATTCCCTGCAAGCCTTTGTTT
TTTGACCTGGCCCTCAACCATGTGGCTTTCCACCCTTGAGGACAAGTTGGAACAGAAGACCAAGAGT
GGCCTCACTGGATACATCAAGGGCATCTTTGGATTCAGGAGCTAA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001260502



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<b>Insert Size:</b>	1770 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001260502.1</a></u>
<b>RefSeq Size:</b>	2736 bp
<b>RefSeq ORF:</b>	1770 bp
<b>Locus ID:</b>	6730
<b>UniProt ID:</b>	<u><a href="#">Q9UHB9</a></u>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Pathways:</b>	Protein export
<b>MW:</b>	66.1 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>