

Product datasheet for **MC202556**

Srp68 (NM_146032) Mouse Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Srp68 (NM_146032) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Srp68 |
| Synonyms: | 2610024I03Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC070422 sequence for NM_146032
 GCGGCGGAGTCCGTCAGTGTACCATCGGCCAGCCTGGAAAGTGCCGCTCTCTCTCGCCGCTGGTCGTCT
 CGCCTGCTCCGTTCCATCGTGCTTTGCGGCTCAGGGGCAAGATGGCTGCTGAGAAGCAGATCCCAGGTTG
 TGGTAGTGGTGGTGGTGAAGCGGCAGCGGCGGCGGCGGAGGGAGCGGTGGCGGACGCAGTCCCGGA
 GGAGACGAGAATAAGAAAAACGAACGCCCTTACGCCGATCGAAGGCAACAAGAGTTCGGGGACAGCC
 TGAGTTTGGAGATTCTGCAGATCATTAAAGGATCGCAGCAGCAGCATGGCTTACGGCACGGAGACTTCCA
 GCGGTACAGGGGCTACTGTTCTCGAAGACAAAGACGCCTCCGAAAAACACTCAACTTTAAGATGGGGAAC
 AGACACAAATTCACGGGAAGAAAGTAACGGAGGAGCTCCTGACTGATAACAGATACTTGCTGCTGGTGC
 TGATGGATGCAGAAAGAGCCTGGAGCTACGCCATGCAGCTCAAACAGGAAGCCAACCCAGCCCGGAA
 ACGGTTTCACTTGCTGTCTCGCCTTCAAAAAGCCGTGAAGCATGCAGAGGAACTGGAGCGCTTGTGTGAG
 AGCAACCGGGTGGATGCCAAGACCAAGCTAGAGGCTCAGGCCACACGGCTTACCTCTCAGGAATGTTGC
 GCTTTGAACATCAAGAGTGGAAATCTGCCATTGAGGCTTCAACAATGCAAACTATCTATGAGAAGCT
 AGCCAGTGCATTCACAGAGGAGCAGGCTGTGTTGTACAACCAGCGTGTAGAAGAGATCTCGCCCAACATC
 CGTACTGTGCATACAACATTGGGGACCAGTCACTATCAATGAGCTCATGCAGATGAGACTAAGGTTCTG
 GGGGCACAGAGGGGCTCCTTGCTGAAAACTTGAAGCCTTGATCACTCAGACTCGAGCCAAGCAGGGCGC
 GACCATGAGTGAGGTGGAGTGGCGAGGCCGACCGTCCCGTGAAGATCGACAAAGTGAGGATCTTCTCTC
 CTGGGCTGGCCGACAACGAGGCCGCCATCGTCCAGGCTGAAAGTGAAGAACGAAGGAGCGTCTGTTCG
 AGTCCATGCTGAGTGAGTGCCGAGACGCCCTCCAAGCCGTGAGGGAAGAGCTCAAGCCCGATCAGAAGCA
 GAGAGACTATGCCCTTGATGGAGAGTCTGGGAAGGTGTCAAACTCCAGTACCTGCACAGCTACCTGACC
 TACATCAAGCTGTCAACAGCAATCAGGCGAAACGAGAATGGCTAAAGGCTTGCACAGGGCTCTGCTGC
 AGCAGCAGCCGGAAGATGACAGCAAGCGCTCTCCAGGCCCTCAGGACCTCATCCGGCTCTATGACATCAT
 TCTGCAGAATCTGGTGAATTGCTGCAGCTTCTGGCTTAGAAGAGGACAGAACCTCCAGAAAGAGATA
 AGCCTCAAGACCCTGGTGTCAAAGCTTACAGGTGTTTCTTATTGCTCAGTCTTACGTGCTGGTGAAGA
 AGTGGAGCGAAGCCCTCGTCTGTACGACAGAGTTCTCAAATATGCAAAATGAAGTGAGTTCTCACGGAGG
 AGCCTCCAAGAACAGCCTGAAGGACCTGCCGACGTGCAAGAATCATCACTCAAGTGCGGTGAGAGAAG
 TGCTCGTGCAGGCCGACGCATCCTGGATGCAAAAGACTCTCATCAAACAGACACCTCATCCCAAGTCA
 AAGACAATACGCCTCTGGTTGAACGTTTGTAGTCTTTTGCCTGGACCCGTCCTGGTCAACAAACAAGC
 CAACCTCGTGCATTTCCACCAGGGTCCAGCCCATCCCTTGCAAGCCTTTGTTCTTTGACCTGGCCCTC
 AACCCAGTGGCCTTCCACCCCTTGAGGACAAATTGGAGCAGAAGACTAAGAGTGGCCTCACAGGCTACA
 TCAAGGGCATCTTTGGTTTTCAGGAGCTAACAGGCTCTTCTCGGGCAGGGAGGCTCTGGCTTACTCTG
 TATTGAGACAGACCCGACAAGTTCATGGCATTAAATCCAGTTCTGCGTTGGCTGGGGCAGAGCTCAGCA
 CCCTCAGCCCTGCGGCCGTTTCTTGTGTGTTTGTGACTTACTTTTGTAGCCTGTCATCTTCTGGGCC
 AGAGTCAGGGTCTCTGTGTCCTCTGTCCTCTGGGGACTGCTGCTGCTGCCCTTGAAGCCATGGCT
 GATCACTTTTGGTCAATATGTCAAAATTCGGGGTCCACGCCAGGCTTGGGGGGCTTGGGAGTGTGTTGCA
 TGTGTCCTCAGTCCCATGGATTTGAAATGACCCCTCCTCGCTGTGAGAGTCCAGAGTCTCCTGAAGTTTG
 TCAATGACTGAAATGCGAGCAGTGTACCCAGAGTTGTGGTCAGCCTTACCCCTTCTCCGAGAACAAGCA
 GAGCGCTATTTTTAACTATGTTACACTCGTAAATGACAAAACCAATCTTCTATTTAAAGGCAAAAGAT
 GATGGAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_146032
- Insert Size:** 1878 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: [BC070422](#), [AAH70422](#)

RefSeq Size: 2546 bp

RefSeq ORF: 1878 bp

Locus ID: 217337

UniProt ID: [Q8BMA6](#)

Cytogenetics: 11 E2

Gene Summary: Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP68 binds the 7S RNA, SRP72 binds to this complex subsequently. This ribonucleoprotein complex might interact directly with the docking protein in the ER membrane and possibly participate in the elongation arrest function (By similarity).[UniProtKB/Swiss-Prot Function]