

Product datasheet for **SC332875**

SRP72 (NM_001267722) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SRP72 (NM_001267722) Human Untagged Clone
Tag: Tag Free
Symbol: SRP72
Synonyms: BMFF; BMFS1; HEL103
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332875 representing NM_001267722.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGAGCGGCGGCAGCGGGGGGTGTCAGTACCTGCGCTGTGGAGTGAAGTGAACCGGTATGGCCAG
AACGGCGACTTCACGCGCCTCTCAAGACCGTCAATAAGATACTACAGATCAACAAAGATGACGTAAC
GCCCTGCATTGTAAGTGGTATGCCTTATCCAGAATGGAAGTTTCAAGGAAGCTTTGAATGTCATCAAT
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GATGCCAGTAAAAGTGTGAGCAGCCACCCACCTCCCAAGACCTGGCAGTGTGCAACAGTATCTGCC
TCTACAAGTAACATCATACCCCAAGACACCAGAAAACCTGCAGGGGCTCCAGCAACAAAAAGAAACAG
CAACAGAAAAGAAGAAAGGTGGAAAAGGTGGCTGGTGA
  
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001267722
Insert Size:	1833 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:	<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_001267722.1
RefSeq Size:	3710 bp
RefSeq ORF:	1833 bp
Locus ID:	6731
UniProt ID:	O76094
Cytogenetics:	4q12
Protein Pathways:	Protein export
MW:	67.9 kDa
Gene Summary:	<p>This gene encodes the 72 kDa subunit of the signal recognition particle (SRP), a ribonucleoprotein complex that mediates the targeting of secretory proteins to the endoplasmic reticulum (ER). The SRP complex consists of a 7S RNA and 6 protein subunits: SRP9, SRP14, SRP19, SRP54, SRP68, and SRP72, that are bound to the 7S RNA as monomers or heterodimers. SRP has at least 3 distinct functions that can be associated with the protein subunits: signal recognition, translational arrest, and ER membrane targeting by interaction with the docking protein. Mutations in this gene are associated with familial bone marrow failure. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (2) lacks 2 consecutive in-frame coding exons in the 5' region compared to variant 1, which results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.</p>