

Product datasheet for MR204949

Srp68 (BC033573) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srp68 (BC033573) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Srp68
Synonyms:	MGC38208
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204949 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAGGTGGAGTGGCGAGGCCGGACGGTCCCCGTGAAGATCGACAAAGTGAGGATCTTCTCCTGG
GCCTGGCCGACAACGAGGCCGCCATCGTCCAGGCTGAAAGTGAAGAAACGAAGGAGCGTCTGTTTCGAGTC
CATGCTGAGTGAGTGCCGAGACGCCCTCAAGCCGTGAGGGAAGAGCTCAAGCCCGATCAGAAGCAGAGA
GACTATGCCCTTGATGGAGAGTCTGGGAAGGTGTCAAATCTCCAGTACCTGCACAGCTACCTGACCTACA
TCAAGCTGTCAACAGCAATCAGGCGAAACGAGAACATGGCTAAAGGCTTGACAGGGCTCTGCTGCAGCA
GCAGCCGGAAGATGACAGCAAGCGCTCTCCAGGCCTCAGGACCTCATCCGGCTCTATGACATCATTCTG
CAGAATCTGGTGGAAATTGCTGCAGCTTCTGGCTTAGAAGAGGACAGAACCCTCCAGAAAGAGATAAGCC
TCAAGACCCTGGTGTCAAAGCTTACAGGTGTTTCTTATTGCTCAGTCTTACGTGCTGGTGAAGAAGTG
GAGCGAAGCCCTCGTCTGTACGACAGAGTTCTCAAATATGCAAATGAAGTGAAGTCTCACGGAGGAGCC
TCCAAGAACAGCCTGAAGGACCTGCCGACGTGCAAGAACTCATCACTCAAGTCCGGTACAGAAAGTGT
CGCTGCAGGCCGAGCCATCCTGGATGCAAACGACTCTCATCAAACAGACACCTCATCCCAAGTCAAAGA
CAATACGCCTCTGGTTGAACGGTTTGAATCCTTTGCTGGACCCGTCCTGGTACCAAACAAGCCAAC
CTCGTGCACCTCCACCCAGGGTTCCAGCCCATCCCTTGAAGCCTTTGTTCTTTGACCTGGCCCTCAACC
ACGTGGCCTTCCACCCCTTGGAGACAAATTGGAGCAGAAGACTAAGAGTGGCCTCACAGGCTACATCAA
GGGCATCTTTGGTTTCAGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204949 protein sequence
 Red=Cloning site Green=Tags(s)

MSEVEWRGRTVPVKIDKVRIFLLGLADNEAAIVQAESEETKERLFESMLSECRDALQAVREELKPDQKQR
 DYALDGESGKVSNLQYLHSYLTYIKLSTAIRRNNMAKGLHRALLQQPEDDSKRSRPRQDLIRLYDIIL
 QNLVELLQLPGLLEEDRTFQKEISLKTLYFKAYRCFFIAQSYVLVKKWSEALVLYDRVLKYANEVSSHGGA
 SKNSLKDLPDVQELITQVRSEKSLQAAAILDANDSHQTDTSQVKDNTPLVERFESFCLDPSLVTKQAN
 LVHFPFGFQPIPCPKPLFFDLALNHVAFPPLEDKLEQKTKSGLTGYIKGIFGFRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC033573

ORF Size: 1002 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:

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: [BC033573](#), [AAH33573](#)

RefSeq Size: 1870 bp

RefSeq ORF: 1004 bp

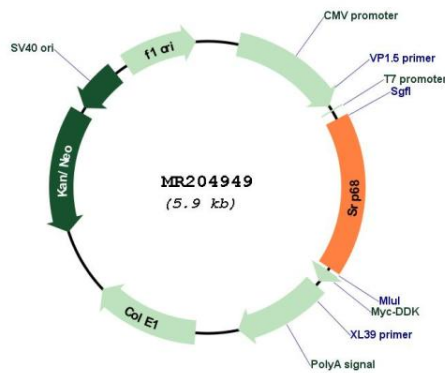
Locus ID: 217337

Cytogenetics: 11 E2

MW: 38 kDa

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]

Product images:



Circular map for MR204949