

Product datasheet for **MR200415**

Srp14 (NM_009273) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srp14 (NM_009273) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Srp14
Synonyms: 14kDa; AW536328
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200415 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGTTGCTCGAGAGCGAGCAGTTCCTGACGGAGCTGACCAGGCTCTCCAGAAGTGCCGCTCGTCGG
 GCAGCGTGTTTCATCACCTCAAGAAATATGACGGTCGCACCAACCTATCCCAGGAAGAGTTCTGTGGA
 GGGCCTCGAGCCTGCAGAAAACAAGTGTCTGTTGAGAGCCACGGATGGGAAAAGGAAGATCAGCACCGTG
 GTGAGCTCAAAGAAGTGAACAAGTTTCAGATGGCCTATTCAAATCTACTGAGAGCCAACATGGACGGGC
 TGAAGAAGAGGGACAAGAAGAACAAGAGTAAGAAGAGCAAACCAGCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200415 protein sequence
 Red=Cloning site Green=Tags(s)

MVLLSEQFLTELTRLFQKCRSSGSVFLTLKKYDGRTPKIPRKSSVEGLEPAENKLLRATDGRKISTV
 VSSKEVNFQMAYSNLLRANMDGLKRDKNKSKSKPAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_009273

ORF Size: 333 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: [NM_009273.2](#)

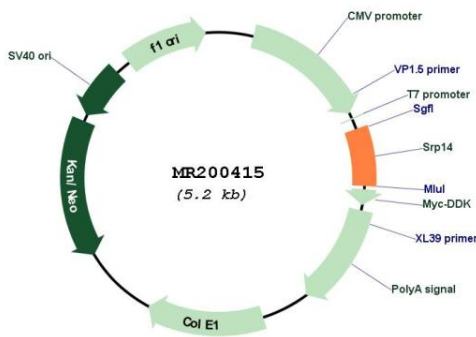
RefSeq Size: 790 bp

RefSeq ORF: 333 bp

Locus ID: 20813
 UniProt ID: [P16254](#)
 Cytogenetics: 2 E5
 MW: 12.5 kDa

Gene Summary: Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP9 together with SRP14 and the Alu portion of the SRP RNA, constitutes the elongation arrest domain of SRP. The complex of SRP9 and SRP14 is required for SRP RNA binding.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200415