

Product datasheet for SC118179

SRP9 (NM_003133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRP9 (NM_003133) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRP9
Synonyms:	ALURBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118179 sequence for NM_003133 edited (data generated by NextGen Sequencing)

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ATGCCGAGTACCAGACCTGGGAGGAGTTCAGCCGCGCTGCCGAGAAGCTTTACCTCGT
GACCCATGAAGGCACGTGTGGTTCTCAAATATAGGCATTCTGATGGGAACCTGTGTGTT
AAAGTAACAGATGATTTAGTTTGTGGTGTATAAAACAGACCAAGCTCAAGATGTAAAG
AAGATTGAGAAATCCACAGTCAACTAATGCGACTTATGGTAGCCAAGGAAGCCCGCAAT
GTTACCATGGAACTGAGTGA
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Clone variation with respect to NM_003133.5

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003133 unedited
GTCACATTTGTATACGACTCCTATAGGCGCGCGNAATTCGCACGAGGGGACTCGCGTC
GGTTGGCGACTCCCGNCGTAGGTAGTTTGTGGGCCGGGTTCTGAGGCCTTGCTTCTCT
TTACTTTTCCACTCTAGGCCACGATGCCGAGTACCAGACCTGGGAGGAGTTCAGCCGCG
CTGCCGAGAAGCTTTACCTCGCTGACCCTATGAAGGCACGTGTGGTTCTCAAATATAGGC
ATTCTGATGGGAACCTGTGTGTTAAAGTAACAGATGATTTAGTTTGTGGTGTATAAAA
CAGACCAAGCTCAAGATGTAAGAAGATTGAGAAATCCACAGTCAACTAATGCGACTTA
TGGTAGCCAAGGAAGCCCGCAATGTTACCATGGAACTGAGTGAATGGTTTGAAATGAAG
ACTTTGTCGTGTACTTAGGAAGTAAATATCTTTTGAATTAGAGAAAGTGTGGGACAGAA
AGTACTTTATGTAAC TAAGTGGGCTGTT CAGAAGCTTAGAGGTCAATTTTTGTAATTTTC
TTTTAATTACTTTAGAGAGCTAGGGATGCAAATGTTTTAGTTAGAAAGCCTTTATTTA
CTTTTGGAAATGAACAAGAAATGCATCTGTCTTAGAACTGGAGATTATTTGATGTTAG
GTAAAACATGTAATTTCTCTGGCAAATTTGTATCAGTAATTTGAAAATGAGATATTA
NGAAAAACCAATCTTCTTAANATTAGTTCATCTTTCTTTAAAGAACATTANATGTTNAC
CATTTGTCAGATCCATGTATTTTGGAGCACTAAATGTATGCTGGTGTGACCAATAANATA
TANATATGGTAATTGGNAATAACTCCACCCATAGTATGCATTGGTATACATACTGTGTAC
CCTAATATGTATAGCA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003133 unedited ACTTCCAGGGCCGAATAGCACTGGGGAGGGTGCACAGGGATGCCACCCGGGATCTGTTC AGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGNTTTTTTTTTTTTTTTTATA TTTTATCTAATATTTTATTTACTGATCTCTCTGAAACATGCCAAAATTCATATAGCTAAG GGAACCTACCATGCTAAAATGCTGTTCAACATGACAAATTTATACAAAACATATTTCAAT GTAGTGCCTTCATTTCTTTGAGGAATCAACATTACATTTAGGTGGTAAAATACAAAT ATAATTATCAAATATCGTACTTCTAGTTTACTGGAAAACATAACAGTTGTGACAGTCACA CCTAACACCTTGGTTAATTAAGACAGAAAATGGGCAGGGGTGTCACAGAAGTATGCAAG GGNNTGACAGTTCAAACTAATCCATAGCCCTTCTGAGAACTACAGATGGAAAATATGTA GTAATATTTCTGTATATGGTGGTTTCAGTACATTATAGCACAGTGATCATCATTCCATT CATACACTCAAATAACTGCTGCTTCTGATCACTGAAAAC TAGATTCAAAGTCATTGCTCA ACAAGCTGATACTACAAATCCCTTATATTAACAGGTAGTTTAAATGTGAAAATAAGGCAA AGCATACTTGNTAGTCACAATTACTTTTCAGATATAATTGAGACTACACTGCTATACATAA TTAGGTACACAGTATGTATAAATGNNNNATGGTGTNGGGAGTTAATCCATTTACC ATATTTATATTTATTGTTTCAACAGCATACATTTTATGCTCCAATACATGGATCTGAC AAATGGNTACATTTAATGTTTCTTTAAAGAAGNAGAACTAATTTAGAAGTATGGGNTTTT CTATATCTCATTTCCAATAACTGTCCAATTGCAGAAAACAATTACTGNTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_003133
Insert Size:	1500 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_003133.1 , NP_003124.1
RefSeq Size:	1466 bp
RefSeq ORF:	261 bp
Locus ID:	6726
UniProt ID:	P49458
Cytogenetics:	1q42.12
Protein Families:	Druggable Genome
Protein Pathways:	Protein export

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]

Transcript Variant: This variant (2) lacks an internal exon, as compared to variant 1. The resulting isoform (2) has a longer and distinct C-terminus, as compared to isoform 1.