

Product datasheet for **SC118180**

SRP14 (NM_003134) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRP14 (NM_003134) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRP14
Synonyms:	ALURBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118180 sequence for NM_003134 edited (data generated by NextGen Sequencing)

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ATGGTGTTGTTGGAGAGCGAGCAGTTCCTGACGGAGCTGACCAGACTTTCCAGAAGTGC  
CGGACGTCGGGCAGCGTCTATATCACCTTGAAGAAGTATGACGGTCAACCAAACCCATT  
CCAAAGAAAGGTAAGTACTGTGGAGGGCTTTGAGCCCGCAGACAACAAGTGTCTGTTAAGAGCT  
ACCGATGGGAAGAAGAAGATCAGCACTGTGGTGAAGTGAATAAGTTTCAG  
ATGGCTTATTCAAACCTCCTTAGAGCTAACATGGATGGGTTGAAGAAGAGAGACAAAAG  
AACAAAATAAGAAGACCAAAGCAGCAGCAGCAGCAGCAGCAGCAGCACCTGCCGAGCA  
GCAACAGCAGCAACAACAGCAGCAACAACAGCAGCAACAGCAGCAGCAGTAA
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Clone variation with respect to NM_003134.4
129 g=>a;280 c=>t;370 c=>g



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003134 unedited NGGTCACCATTTGTATACGACTCCTATAGGCGGCCGCGNATTCGGCACGAGGTAGGGGCT TAAGCGGAGGGAGTTCGAGCCAGCGTCGCCGCGATGGTGTGTTGGAGAGCGAGCAGTTCC TGACGGAGCTGACCAGACTTTTCCAGAAGTGCCGGACGTCGGGCAGCGTCTATATCACCT TGAAGAAGTATGACGGTCGAACCAACCCATTCCAAGAAAGGTACTGTGGAGGGCTTTG AGCCCGCAGACAACAAGTGTCTGTTAAGAGCTACCGATGGGAAGAAGAAGATCAGCACTG TGGTGAGCTCCAAGGAAGTGAATAAGTTTCAGATGGCTTATTCAAACCTCCTTAGAGCTA ACATGGATGGGTTGAAGAAGAGAGACAAAAAGAACAATAAGAAAGACCAAGCAGCAG CAGCAGCAGCAGCAGCAGCACCTGCCGAGCAGCAACAGCAGCAACAACAGCAGCAACAA CAGCAGCAACAGCAGCAGCAGTAAAGGGCATACTTTCTGCTTTTACCAATTAACCACTG AATTGCTATTTTTCTTTGGCCAGATAGCTAGGTTTCTGGTCCCCACAGTAGGTGT TTTACATAAGATTAGGGTCCTTTGGAAAGAATAGTTGCAGTGTATAGGATAGTTGT GGTAAAGATCTAGTTATTTGCATTTGGCTAATTGGTCTGTGCTGCATGGTTATATACT CCTGGATTATAGAATANAAGTCTCCGTAGACATCTCTGTGAAGAGCCAGCTATCATTAA CATGCTGTTTATCAGCACTGTCTTTTATTCTTTTCCACCCATTTAATAGTTCTGG CCATAACTACTCAATCTAGAATGAGNGATTATGGAATAGCCTTAGCTCTATATATCTTCT AGGTATAGAAATG
Restriction Sites:	NotI-NotI
ACCN:	NM_003134
Insert Size:	3670 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_003134.2 , NP_003125.2
RefSeq Size:	800 bp
RefSeq ORF:	411 bp
Locus ID:	6727
UniProt ID:	P37108
Cytogenetics:	15q15.1
Domains:	SRP14
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 (1) represents the shorter transcript and encodes the longer isoform (1).