

## Product datasheet for **SC126407**

### SRP9 (BC064351) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SRP9 (BC064351) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRP9
Synonyms:	ALURBP
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:**

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>OriGene sequence for BC064351 edited
CGACTCCCGGACGTAGGTAGTTTGTGGCCGGGTTCTGAGGCCTTGCTTCTTTACTT
TTCCACTCTAGGCCACGATGCCGAGTACCAGACCTGGGAGGAGTTTACGCCGCGTGCCG
AGAAGCTTTACCTCGCTGACCCTATGAAGGCACGTGTGGTTCTCAAATATAGGCATTCTG
ATGGGAAGCTTGTGTGTTAAAGTAACAGATGATTTAGTTGATCATTAGTTCTGTTGTTA
AAACTCATGTGAACCTTTAAGATGGGCTGAAGAAAAGTGGATCTGACTACAAAATGAGG
AAAGGGCTGCCAGCTTAAAGTTGCTGTTTTTGAAGATTCTACAACAGATGGCTTTATGAC
CAACCATAAGCAGATCTTAAGTATCTAGTGAAGAATTTAACTGCTAACAAAGGAAGAATTT
GGTTTGATTTAAAAGTAATATCTTCAAGCCTGGGCAACATGGAGAAGCCCCGCTCTGCT
AGAAAATGGAAGAATTAGCTGGGTGTGGTGTGTGTGCCTGTAGTCCCAGCTACTCAGGAA
GCTGAGGATCGCTTGGGCCCAGGACGCAGGTTGCAGTGAGCTGAGATTGCACCACTGCAC
CCCCAACCTGGGCCACAGAGTGAGACACTGTCTCAAAAATACATACCTTCAGCAAATCAA
GATTTTTTTTTTTTTTTTTTGTAGACGGAATCTCACTCTGTGCCCCAGGCTGGAGTGCAGT
GGCATGATCTTGGCTCGCTGCAGCCCTCACTCCTGGGTTCAAGCGATTCTCCTGCCTCGG
CCTCCTGGGTAGCTGGGATTACAGGCACGCGCCACCACGCCAGCTAATTTTTGTATTTT
TAGTGGAGACGGGTTTTACCATATTGGCCAGGCTGGTTTTCGAACTGCTGACCTGGTGGT
CCGCCTGCCTCGGCCTCCAGAGTGTGGGATTACAGGCGTAAGCCACCACGCCTGGCCA
AGAAAATCAAGATTTACCTGGTTTATGTGTTGACCAGCTATACACAGAGAATTCTAGATT
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TTCTGTGTTTTTTTTTCCAGCATAACTCAGTTACTTATGGCTGGGAGAAAATATGTAGGG
AGATAATCTAATACCTAATTCGAAGGAAGAAAATCTAATTCTAAGTCTTGAGTTCTTC
TCATCAGACCATAGCAGGATTTAACATTTAACATTTTTCAGAAGCTTCTAATAGACTTCA
TTCAGTTTTTTTGTCCACAGCAGTGGCATTAAATTAAGTACTTAAAGACATGGAATTGC
TGGAGGCTTGGAAACTTGAGTGCAATTTCCCTAGTACGACCTCCAAGGAGAATAGAGCAA
AACAGTGGTAGGAAAACTCTCAAAATTTACCCAATTGTATGTTTTCTACATTGTCACT
ATCTAGTTTTATATAGTTAATATGTACTTCTAAAATTTCTGACAGTGTGGTGTATAAA
ACAGACCAAGCTCAAGATGTAAGAAGATTGAGAAATCCACAGTCAACTAATGCGACTT
ATGGTAGCCAAGGAAGCCCGCAATGTTACCATGGAACTGAGTGAATGGTTTGAATGAA
GACTTTGTCGTACTTAGGAAGTAAATATCTTTGAATTAGAGAAAGTGTGGGACAGA
AAGTACTTTATGTAAGTAAAGTGGGCTGTTGAGAAGCTTAGAGGTCATTTTTTGAATTTT
CTTTTTAATTACTTTAGAGAGCTAGGGATGCAAATGTTTTTCAGTTAGAAAGCCTTTATTT
ACTTTTGGAAATGAACAAGAAATGCATCTGTCTTAGAAACTGGAGATTATTTGATGTTA
GGTAAAACATGTAATTGTTTTCTCTGGCAAATTTGTATCAGTAATTTGAAAATGAGATATT
AGGAAAAACCAATTTCTTCTAAATTTAGTTCATCTTTCTTTAAAAGAACATTAATGTAA
CCATTTTGTGAGATCCATGTATTTGGAGCATAAAATGTATGCTGTTGTGACCAATAAAT
ATAAAATATGGTAATGGAATTAACCTCCACACCATAGTATGCATTGTTATACACTGTG
TACCTAATTATGTATAGCAGTGTAGTCTCAATTATCTGAAAGTAAATTTGACTAACAA
GTATGCTTTGCCATTTCCACATTTAACTACCTGTTAATAAAGGGATTTGTAGTATC
AGCTTGTGAGCAATGACTTTGAATCTAGTTTTCAGTGATCAGAAGCAGCAGTTATTTGA
GTGTATGAATGGAATGATGATCACTGTGCTATAATGTACTGAAACCACCATATTACAGAA
ATATTTACTACATATTTCCATCTGTAGTTTCTCAGAAGGGCTATGGATTAGTTTGAAC
GTCAAATCCTTGACACTTCTGTGACACCCCTGCCATTTTCTGTCTTTAATTAACCAAG
GTGTTAGGTGTGACTGTCACAAGTGTATGTTTTCCAGTAAACTAGAAGTACGATATTTG
ATAATTATATTTGATTTTACCACCTAAATGTAATGTTGATTCCTCAAGAATGAAATGAA
GGCACTACATTGAAATATGTTTTGTATAAATTTGTCATGTTGAACAGCATTTTAGCATGG
TAAGTCCCTTAGCTATATGAATTTTGGCATGTTTCAGAGAGATCAGTAAATAAAATATT
AGATAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC064351 unedited CGGGATATCGTCGACCCACGCGTCCGCGACTCCCGGACGTAGGTAGTTTGTGGCCGGG TTCTGAGGCCTTGCTTCTTTACTTTTCCACTTAGGCCACGATGCCGCAGTACCAGAC CTGGGAGGAGTTCAGCCGCGCTGCCGAGAAGCTTACCTCGTGACCCTATGAAGGCACG TGTGGTTCTCAAATATAGGCATTCTGATGGAACTTGTGTGTTAAAGTAACAGATGATTT AGTTGATCATTAGTTCTGTGTTTAAAACTCATGTGAACCTTAAAGTGGCTGAAGAA AAGTGGATCTGTACTACAAAATGAGGAAAGGGCTGCCAGCTTAAAGTTGCTGTTTTGAA GATTCTACAACAGATGGCTTTATGACCAACCATAGCAGATCTTAAGTATCTAGTGAAGA ATTTAACTGCTAACAAAGGAAGAATTTGGTTTGATTTAAAAGTAATATCTCAAGCCTGGG CAACATGGAGAAGCCCCGTCTCTGCTAGAAATGGAAGAATTAGCTGGGTGTGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC064351
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC064351.1</a> , <a href="#">AAH64351.1</a>
<b>RefSeq Size:</b>	2719 bp
<b>Locus ID:</b>	6726
<b>Cytogenetics:</b>	1q42.12
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Protein export
<b>Gene Summary:</b>	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]