

## Product datasheet for **SC125812**

### SRPR alpha (SRPRA) (BC009110) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SRPR alpha (SRPRA) (BC009110) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRPR alpha
Synonyms:	docking protein; DP; MGC3650; MGC9571; MGC17355; signal recognition particle receptor; signal recognition particle receptor (docking protein); Sralpha; SRP-alpha
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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## Fully Sequenced ORF:

>OriGene sequence for BC009110 edited  
AGCTCCTCTGCCGCTGCCGCCATGCTCGACTTCTTACCATTCTTCCAAGGGCGGGCTT  
GTGCTCTGGTGTCTCCAGGGCGTTAGCGACTCATGCACCGGACCCGTTAACCGGTTGATT  
CGTTCCGTGCTGCTGCAGGAACGGGGAGGTAACAACCTCTTACCACATGAGGCACTACA  
CTCAAGTATAAAGTGGACAACAGTTTGGAGCTGGTGTGGTTGGTTTTCAGAAGATC  
CTGACACTGACATATGTAGACAAATGTAGATGACGTGCATCGGCTGTTTCGGGACAAG  
TACCGCACAGAGATCCAACAGCAAGTGTCTTAAGTTTATTAAATGGCACTTTTGATTTC  
CAAAATGACTTCTCGCGCTCCTCGTGAAGCAGAGGAGAGCAGTAAGATCCGTGCTCCC  
ACTACCATGAAGAAATTTGAAGATTCTGAAAAGGCCAAGAAACCTGTGAGGTCCATGATT  
GAGACACGGGGGAAAAGCCCAAGGAAAAAGCAAAGAATAGCAAAAAAGGGGGCAAG  
AAGGAAGTTCTGATGGTCTTTGGCTACCAGCAAACCGTCCCTGCAGAAAAGTCAGGT  
CTTCCAGTGGTCTGAGAACGGAGTAGAACTTCCAAGAGGAGCTGATCCGCGAGGAAG  
CGCGAGGAGTTCATTAGAAGCATGGGAGGGGTATGGAGAAGTCCAACAAGTCCACGAAG  
TCAGATGCTCAAAGGAGAAGGGCAAAAAGCACCCGGGTGTGGAACTGGGTGGCTGT  
GCTAACAAAGAAGTGTGGATTACAGTACTCCACCACCAATGGAACCCCTGAGGCTGCC  
TTGTCTGAGGACATCAACCTGATTCGAGGGACTGGGTCTGGGGGCGAGCTCAGGATCTG  
GACTGCAGCAGCTCTGATGACGAAGGGCTGCTCAAACTCTACCAAACTAGTGCAGACC  
AAGGGAACACTGGGTGGCATGTTTGGTATGCTGAAGGCCTTGTGGGTTCAAAGAGCTTG  
AGTCGTGAAGACATGGAATCTGTGCTGGACAAGATGCGTGATCATCTCATTGCTAAGAAC  
GTGGCTGCAGACATTGCCGTCCAGCTCTGTGAATCTGTTGCCAACAGTTGGAAGGGAAG  
GTGATGGGGACGTTCCAGCACGGTGACTTCCACAGTAAAGCAAGCCCTACAGGAGTCCCTG  
GTGCAGATTCGACGCCACAGCGTGTGAGACATGCTCCGGGACATCATGGATGCCAG  
CGTCCGACGCGCCCTTATGTGTCACCTTCTGCGGCGTTAATGGAGTGGGAAAATCTACT  
AATCTTGCCAAGATTTCTTCTGGTTGTTAGAGAATGGCTTCAGTGTCCCTCATTGCTGCC  
TGTGATACATTTCTGCTGGGGCGTGGAGCAGCTGCGTACACACACCCGCGTGTGAGT  
GCCCTACACCCTCCAGAGAAGCATGGTGGCCGCACCATGGTGCAGTTGTTTGAAGGGC  
TATGGCAAGGATGCTGCTGGCATTGCCATGGAAGCCATTGCTTTTGACGTAACCAAGGC  
TTTGACGTGGTGTGGTGGACACGGCAGGCCGATGCAAGACAATGCCCTCTGATGACT  
GCCCTGGCCAACTCATTACTGTCAATACACCTGATTTGGTGTGTTTGTAGGAGAAGCC  
TTAGTAGGCAATGAAGCCGTGGACCAGCTGGTCAAGTTCAACAGAGCCTTGGCTGACCAT  
TCTATGGCTCAGACACCTCGGCTCATTGATGGCATTGTTCTTACCAAATTTGATACCATT  
GATGACAAGGTGGGAGCTGCTATTTCTATGACGTACATACAAGCAAACCCATCGTCTTT  
GTGGGCACCGGCCAGACCTACTGTGACCTACGCAGCCTCAATGCCAAGGCTGTGGTGGCT  
GCCCTCATGAAGGCTTAACGTGGCTCTTGCCCAATACCAAATCGCCGCTTTCCCAACAAG  
CCCTTCTCTGTATCAAGAATGTGCTTTAGAGTATGTGAGCAACCTGTCTTCAGTGTAG  
TACAAAGGCAGAGTGAGGGGGCTTGTGGCTCCTCCAACCCCACTCCCGTTCCAGCAG  
CCGCCATCTGCAAGGAAGGCCTAATCATGTTACAATCACTGCCCACTGACCCCTCTCCAG  
CGGGCCTCCCCCTTCTACTCAGGCACCCCTTCACTCTGCCTACAGACTCAGTCTTATT  
ACAGCTTTGACCAATGGTTGGAACCCAACACCAGAGCTTTGCTAATAATTAGTGTGGTCA  
AGAGCCGTCTGAGCCTAATGAGTCCCAGCTGCATTAGGTTAAGAGACTTCCAGAGCCA  
GGCCAGGCTTTGAATGGCACCTCTCCCTAGGATACACAGCCTGCAGGTCCCAAGGACCT  
GGATGACACCCGCTCACTGTGGCAGTGTATTGCCTGTTAATTGCTGCTAATTCTAATTC  
TGATGATGACTCTACTCCATTGTTTACCCAAAGCATCAGTAGGCTGGAGTATTTGT  
TACAAATGAGCAAAGATGAGTCTTGCTTCCCTCAGAAATAAAGGAGCTCAGTGCAG  
CGTTGCATTGGGCTTCTGGCTCCCAACTTCCCCTCCAGAAATCCAGAAGTAAGCT  
CTGCATGTTCCCTTCTGGGAGGAAACCAATTGTCAGAAGGATGATGATGACCCCTC  
CCCTCCATCCTTCACTCCTAAGCAGTCTGGCTTTTCTCATCACTCCCTCTACAGT  
GCCTGGTAGACAAGTGTACATTGAAGAACACAACCTCTTGTTAAGACTTGTCTGTAG  
CTTGATATTACAGATGTGCTATTAGTGAATAAGGTGAAGGCTGTCTGCCAGAGAAATA  
AGTAATTTATATAAGAAAATAAATTTTCAATAAATAATTGCCAAAAA

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC009110 unedited AGGTTCAAAAATTTGNTAATACGACTCACTATAGGGNCCGGCCGNAACTCCCGGCGCC GGCCCCAGCTCCTCTGCCGCTGCCGCCATGCTCGACTTCTTACCATTTTCTCCAGGGCG GGCTTGTGCTCTGGTGTCTCCAGGGCGTTAGCGACTCATGCACCGGACCCGTTAACGCGT TGATTCGTTCCGTGCTGCTGCAGGAACGGGGAGGTAACAACTCCTTACCATGAGGCAC TCACACTCAAGTATAAACTGGACAACCAGTTTGAGCTGGTGTGTTGGTTGGTTTTTCAGA AGATCCTGACACTGACATATGTAGACAAATTGATAGATGACGTGCATCGGCTGTTTCGGG ACAAGTACCGCACAGAGATCCAACAGCAAAGTGCTTTAAGTTTATTAAATGGCACTTTTG ATTTCCAAAATGACTTCCCTGCGGCTCCTTCGTGAAGCAGAGGAGAGCAGTAAGATCCGTG CTCCCACTACCATGAAGAAATTTGAAGATTCTGAAAAGGCCAAGAAACCTGTGAGGTCCA TGATTGAGACACGGGGGAAAAGCCCAAGGAAAAGCAAAGAATAGCAAAAAAAGGGGG CCAAGAAGGAAGTTCTGATGGTCTTTGGCTACCAGCAAACCAGTCCCTGCAGAAAAGT CAGGTCTCCAGTGGTCTGAGAACGGAGTAGAACTTTCAAAGAGGAGCTGATCCGCA GGAAGCGGAGGAGTTTCATTAGAAGCATGGGAGGGGTATGGGGAGAAGTCCCAACAGTC CACGAAGTCAGATGCTCCAAAGGAGAAGGCCANAAAAGCACCCCGGTGTGGAACTGGG TGGCTGTGCTACCAAGAAGTGTTGGNATACAGTACTCCACACCAATGGGACCCCTGAG CTGCCTTGCTGAGGACTCAACTGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC009110
<b>Insert Size:</b>	2900 bp
<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>	<u><a href="#">BC009110.1</a></u> , <u><a href="#">AAH09110.1</a></u>
<b>RefSeq Size:</b>	2935 bp
<b>Locus ID:</b>	6734
<b>Cytogenetics:</b>	11q24.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Protein export

**Gene Summary:**

The gene encodes a subunit of the endoplasmic reticulum signal recognition particle receptor that, in conjunction with the signal recognition particle, is involved in the targeting and translocation of signal sequence tagged secretory and membrane proteins across the endoplasmic reticulum. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]