

## Product datasheet for SC111909

### SRPR beta (SRPRB) (NM\_021203) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SRPR beta (SRPRB) (NM_021203) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRPR beta
Synonyms:	APMCF1; SR-beta
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111909 sequence for NM_021203 edited (data generated by NextGen Sequencing)

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ATGGCTTCCGCGGACTCGCGCCGGTGGCAGATGGCGCGGTGCCGGGGCACCTTCCAG
CCCTACCTAGACACCTTGCAGCAGGAGCTGCAGCAGACGACCCAACGCTGTTGTAGTA
GTGGTGGCGGTTCTTGGCGTCTGCTGACGCTAGTCTTCTGGAAGTTAATCCGGAGCAGA
AGGAGCAGTCAGAGAGCTGTTCTTCTTGTGGCCTTTGTGATTCCGGGAAAACGTTGCTC
TTTGTGAGGTTGTTAACAGGCCTTATAGAGACTCAGACGTCCTACTGACAGCTGT
GCTGTATACAGAGTCAACAATAACAGGGCAATAGTCTGACCTTGATTGACCTTCCCGGC
CATGAGAGTTTGAGGCTTCAAGTCTTAGAGCGTTTAAAGTCTCAGCCAGGGCTATTGTG
TTTGTGATAGTGCAGCATTCCAGCGAGAGGTGAAAGATGTGGCTGAGTTTCTGTAT
CAAGTCCTCATTGACAGTATGGGTCTGAAGAATACACCATCATTCTTAATAGCCTGCAAT
AAGCAAGATATTGCAATGGCAAAATCAGCAAAGTTAATCAACAGCAGCTGGAGAAAAGAA
CTCAACACCTTACGAGTTACCCGTTCTGCTGCCCCAGCACACTGGACAGTTCCAGCACT
GCCCTGCTCAGCTGGGGAAGAAAGGCAAGAGTTTGAATTCTCACAGTTGCCCTCAA
GTGGAGTTCTGGAGTGCAGTGCCAAGGGTGAAGAGGGGACGTGGGCTCTGCTGACATC
CAGGACTTGGAGAAATGGCTGGCTAAAATTGCCTGA

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Clone variation with respect to NM\_021203.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_021203 unedited  
 GGGGTTGGTATTTTGTAAACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGCGC  
 GTCTCATCCATGGCTTCCGCGGACTCGCGCCGGGTGGCAGATGGCGGCGGTGCCGGGGGC  
 ACCTTCCAGCCCTACCTAGACACCTTGCGGCAGGAGCTGCAGCAGACGGACCCAACGCTG  
 TTGTCAGTAGTGGTGGCGGTTCTTGCCTGCTGCTGACGCTAGTCTTCTGGAAGTTAATC  
 CGGAGCAGAAGGAGCAGTCAGAGAGCTGTTCTTCTTGTGGCCTTGTGATTCGGGAAA  
 ACGTTGCTCTTTTGTGAGTTGTTAACAGGCCTTTATAGAGACACTCAGACGTCCATTACT  
 GACAGCTGTGCTGTATACAGAGTCAACAATAACAGGGCAATAGTCTGACCTTGATTGAC  
 CTTCCCGCCATGAGAGTTTGGGCTTCACTTCTAGAGCGGTTAAGTCTTCCAGCCAGG  
 GCTATTGTGTTTGTGGATAGTGCAGCATTCCAGCGAGAGGTGAAAGATGTGGCTGAG  
 TTTCTGTATCAAGTCTCATTGACAGTATGGGTCTGAAGAATACACCATCATTCTTAATA  
 GCCTGCAATAAGCAAGATATTGCAATGGCAAATCAGCAAAGTTAATTCAACAGCAGCTG  
 GAGAAAGAACTCAACACCTTACGAGTTACCCGTTCTGCTGCCCCAGCACACTGGACAGT  
 TCCAGCACTGCCCTGCTCNAGCTGGGAAGAAAGCANAGAGTTTGAATTCTCACAGGTGC  
 CCCTCAAAGTGGAGTTCCTGGAGTGCCTGCCAAGGGTGGAAAGAGGGACNTGGCTCTG  
 CTGACATTCAGAACTTTGGAGAATGGCTTGCTAAAATTGCCTGAGAAGCAACTCTAAACC  
 ACAGACCTGTATGTGTGACCCACATTTTGGAAAGGTCTGTGGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_021203 unedited  
 CGTTGTGGACCGCAGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTCAAAGGC  
 AACTTTTTTTTTTTTCTTGGCATCAATGAATATGCACTTCAAAAATCTACAGAGAATTT  
 TTTCACTTTGTATTTGTCCACAGCATTCTAGCCAGGAGTACAAAATAGGAGCTCTTCAA  
 GCAGCAGATGAAGATGGCCAGGAGCCTTCAGCCATCCAGAGCAGCAGAGCAGCACCTAA  
 ATCTCCACACACTTCCCAGTATAACCACTAAGAACACACTAGACCCTTGGCATTAGGGGA  
 TTTATCATTTCCAGTTCTATTATCTGGGAATGACTCCAAGGGTTTGTGACAAGCTTTTGA  
 AACGTAAGTGCTAAGACGAGTGTGGACAAGTCACTGAGCTAATGAAGAATAGACCCACTG  
 TCTGCTTGGCTCTGCTATTTTGTACCTGTCTTACATGTGGGGAAACTTCATAACTGTGC  
 CCACAAATCAGAGAAATTCGCAAAGGACTAGACAATGTATTGCCTGTGAACTTCAGAGGC  
 AACTGGAAATAGTGCAACTGGAAATCACTAGCTTCATACATAGGCGGATTTGTTTCCAG  
 GGACAAAAGCACAGAAGATAAGAAAACCTTTTCAGGTGATGGCCATATNCTCATCATATC  
 CTCTCTGTGGGAAGTCTGCCTGGTGTACANAAACCTTGACCTACATCAGTTACACCTAAC  
 AAGGGGAGATACGGCATCAGATAAAGTACTTGTGTTGAAGGCAGCCATAAGGAGACTGAAC  
 TTAATAAAAAAAAAAATTCAGCTGTTTTAACATACTTGTTCAGACAAAGAATGTTCTA  
 ACAATTTGTACCTTTCTAATAATCCAATACACAGACTTTTCAAAGTGGGTACAATCCAG  
 TTTGGGCTTAACTGCTTAGGCATTTTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_021203

**Insert Size:**

1830 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:**

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\\_021203.2](#), [NP\\_067026.2](#)

**RefSeq Size:** 1745 bp

**RefSeq ORF:** 816 bp

**Locus ID:** 58477

**UniProt ID:** [Q9Y5M8](#)

**Cytogenetics:** 3q22.1

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** The protein encoded by this gene has similarity to mouse protein which is a subunit of the signal recognition particle receptor (SR). This subunit is a transmembrane GTPase belonging to the GTPase superfamily. It anchors alpha subunit, a peripheral membrane GTPase, to the ER membrane. SR is required for the cotranslational targeting of both secretory and membrane proteins to the ER membrane. [provided by RefSeq, Jul 2008]