

## Product datasheet for **RN202602**

### **Srprb (NM\_001013252) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Srprb (NM\_001013252) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Srprb  
**Synonyms:** Ab2-417; Ba1-667; Cc1-8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202602 representing NM\_001013252  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTCGGCGAACACCCGGCGTGTGGGGATGGTGCCGGGGCGCCTCCAGCCTTACCTCGACTCCT  
TGCACAGGAGCTGCAGCAGAGGGATCCGACGCTGCTGTCCGTGGCGGTGGCGGTACTGGCGGTGCTGCT  
GACGCTGGTGTCTGGAAGTTCATTTGGAGCCGAAAGAGCAGTCAGAGAGCTGTCTCTTTGTTGGTCTC  
TGCGACTCTGGGAAAACATTGCTGTTTCGTAGGTTGCTAACAGGCCAATACAGAGACACACAGACTTCTA  
TTACCGATAGTTCTGCTATATACAAAGTCAACAACAACAGGGGTAAACAGCCTGACTTTGATTGACCTCCC  
CGGGCACGAGAGCTTGAGGCTTCAGTTCCTAGATCGCTTTAAGTCTTCAGCCAGGGCTGTGGTGTTCGTG  
GTGGACAGTGCAACGTTCCAGCGGGAGGTGAAAGATGTGGCTGAGTTTCTGTACCAGGTCCTCATCGACA  
GCATGGCTCTGAAGAACACCCGGCCTTCTAGTAGCCTGCAATAAGCAAGATATCGCAATGGCAAAATC  
AGCAAAGTTAATTCAGCAGCAGCTGGAGAAGGAGCTTAACACCTTGCAGTCACCCGGTCTGCTGCTCCC  
AGCACCTGGACAGTTCAGTACTGCACCTGCTCAGTGGGAAAGAAAGGCAAAGAATTTGAATTTTCCC  
AGTTGCCCTCAAAGTGGAGTTCCTGGAGTGTAGTGCCAAGGGTGGACGAGGGGATGCTGGCTCTGCGGA  
CGTCCAGGACTTGAGAAGTGGCTGGCCAAGATCGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001013252  
**Insert Size:** 810 bp



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<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="#">NM_001013252.1</a></u> , <u><a href="#">NP_001013270.1</a></u>
<b>RefSeq Size:</b>	914 bp
<b>RefSeq ORF:</b>	810 bp
<b>Locus ID:</b>	300965
<b>UniProt ID:</b>	<u><a href="#">Q4FZX7</a></u>
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	Component of the SRP (signal recognition particle) receptor. Ensures, in conjunction with the signal recognition particle, the correct targeting of the nascent secretory proteins to the endoplasmic reticulum membrane system. Has GTPase activity. May mediate the membrane association of SRPR (By similarity).[UniProtKB/Swiss-Prot Function]