

## Product datasheet for MC209454

### Sprr1b (NM\_009265) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids

Product Name: Sprr1b (NM\_009265) Mouse Untagged Clone

Tag: Tag Free

Symbol: Sprr1b

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC209454 representing NM\_009265  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTTCACATCAGCAGAAGCAGCCCTGCACAGCTCCTCCACAGTTGCATGAGCAACAAGTGAAACAGC  
 CTTGCCAGCCACCACCTCCTGAGCCATGTGTCTACAAGTCAAGACACCCTGTGACACCAAGGTTCTGA  
 GCCCTGCCACCCCAAGGCTCCTGAGCCCTGCCATCCCAAGGCTCCTGAGCCCTGCCACCCCAAGGCTCCT  
 GAGCCCTGCCACCCCAAGGCTCCTGAGCCCTGCCATCCCAAGGCTCCTGAGCCCTGCCACCCCAAGGCTC  
 CTGAACCCTGCCACCCCAAGGCTCCTGAGCCCTGCCATCCCAAGGCTCCTGAGCCCTGCCACCCCAAGG  
 TCCTGAGCCCTGCCTTCCCAAGGCTCCTGAGCCCTGCCAACCATTGTTCTGAGCCCTGTCCCTCAACT  
 GTCACCTCAATACTAGCCCAACAGAAGCAAAAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_009265

Insert Size: 462 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).



[View online »](#)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u><a href="#">NM_009265.3</a></u> , <u><a href="#">NP_033291.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 820 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq ORF:</b>            | 462 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 20754                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u><a href="#">Q62267</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 3 40.14 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | Cross-linked envelope protein of keratinocytes. It is a keratinocyte protein that first appears in the cell cytosol, but ultimately becomes cross-linked to membrane proteins by transglutaminase. All that results in the formation of an insoluble envelope beneath the plasma membrane.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                               |