

Product datasheet for MC201375

Sprr1a (NM_009264) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sprr1a (NM_009264) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sprr1a
Synonyms: AI528815; mSPRR1A; SPR1a
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC027534 sequence for NM_009264
 CAACAGAGAACCTGCTCTTCTGAGTATTAGGACCAAGTGTCTAACCATGAGTTCACCAGCAGAGCAGCCCTGCACTGTACCTCCTCAGCTGCACCAGCAGGTGAAGCAGCCTTGCCAGCCACCACCCCA
 GGAACTTGTGCCCCCAAACCAAGGATCCCTGCCACCCTGTTCCCTGAGCCCTGCAACCCCAAGGGGCCA
 GAGCCCTGCCACCCCAAGGCACCCGAGCCCTGCCACCCCAAGGCACCTGAGCCCTGCAACCCCAAGGTGC
 CAGAGCCCTGCCAGCCTAAGGTGCCAGAGCCCTGCCAGCCTAAGGTGCCAGAGCCCTGCAACCCCAAGGT
 GCCAGAGCCCTGCCAACCTAAGGCACCCAGAGCCTTGCCACCCCAAGGCGCCTGAGCCCTGCCACCCTGTT
 GTTCCCGAGCCCTGCCCTCAACTGTCACTCCATACCAGCAGAAAGCAGAAAGTAATATT
 GTCCAGAGCCATGCCTGAAGACCTGATCACCAGATGCTGAGGCTGCTGTCTATCCTGCTTATGAGTCCCA
 TTGCCTTGTGCTACCAATGCTGTGACCTTCAATCTTAATCCCTCTCTCCTTGCCACCCTAAAAAGTTGA
 CTCTCATCTCATCTTCAAGGGCTCCTGAGCCTTAAACATTGCCCAAAGTCATATTGAATGGCTACACT
 TTTTCATGGCTCAGGATTCATCTGAAGGGGTGAGGAGTGAGACAAGTGTATGGTCAATATTTCCCCCA
 TTTAAATGCCATTTAACTCCAAAAA

Restriction Sites: EcoRI-NotI

ACCN: NM_009264

Insert Size: 435 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).



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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: [BC027534](#), [AAH27534](#)

RefSeq Size: 807 bp

RefSeq ORF: 435 bp

Locus ID: 20753

UniProt ID: [Q62266](#)

Cytogenetics: 3 40.14 cM

Gene Summary: 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. May participate widely in the construction of cell envelopes in cornifying epithelia characterized by either increased thickness or a requirement for extreme flexibility. [UniProtKB/Swiss-Prot Function]