

Product datasheet for **SC303714**

SPRR1A (NM_005987) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPRR1A (NM_005987) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPRR1A
Synonyms:	SPRK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005987 edited CCAAGGGACCACACAGCCCATTCTGCTCCGTATACCAGAAAAAACACATTTGAAGCATG AATTCTCAGCAGCAGAAGCAGCCTTGACCCACCCCTCAGCCTCAGCAGCAGCAGGTG AAACAACCTTGCCAGCCTCCACCCAGGAACCATGCATCCCCAAAACCAAGGAGCCCTGC CAACCCAAGGTGCCTGAGCCCTGCCACCCCAAAGTGCCTGAGCCCTGCCAGCCCAAGATT CCAGAGCCCTGCCAGCCCAAGGTGCCTGAGCCCTGCCCTTCAACGGTCACTCCAGCACCA GCCCAGCAGAAGACCAAGCAGAAGTAATGTGGTCCACAGCCATGCCCTTGAGGAGCTGGC C
Restriction Sites:	Please inquire
ACCN:	NM_005987
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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by two amino acids.
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: [NM_005987.2](#), [NP_005978.2](#)

RefSeq Size: 664 bp

RefSeq ORF: 270 bp

Locus ID: 6698

UniProt ID: [P35321](#)

Cytogenetics: 1q21.3

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.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) has an alternate splice site, resulting in a shorter 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.