

Product datasheet for **RC220108**

SPRR1B (NM_003125) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPRR1B (NM_003125) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SPRR1B
Synonyms: CORNIFIN; GADD33; SPR-IB; SPRR1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220108 representing NM_003125
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCCAGCAGCAGAAGCAGCCTTGACCCACCCCTCAGCTTCAGCAGCAGCAGGTGAAACAGC
CTTGCCAGCCTCCACCTCAGGAACCATGCATCCCCAAAACCAAGGAGCCCTGCCACCCCAAGGTGCCTGA
GCCCTGCCACCCAAAGTGCCCGAGCCCTGCCAGCCCAAGGTTCCAGAGCCATGCCACCCCAAGGTGCCT
GAGCCCTGCCCTCAATAGTCACTCCAGCACCAGCCAGCAGAAGACCAAGCAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220108 representing NM_003125
Red=Cloning site Green=Tags(s)
MSSQQKQPCPTPPPQLQQQQVKQPCPPPQEPICPKTKPECHPKVPEPCHPKVPEPCQPKVPEPCHPKVP
EPCPSIVTPAPAQQKTKQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_f06.zip

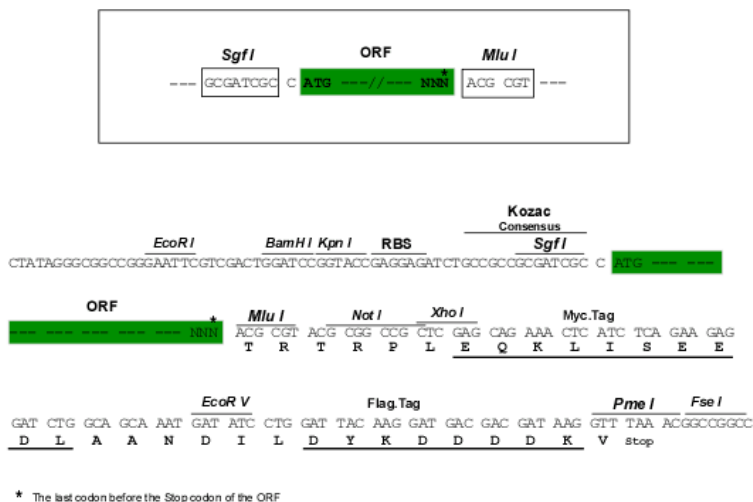
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_003125

ORF Size: 267 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003125.3](#)

RefSeq Size: 641 bp

RefSeq ORF: 270 bp

Locus ID: 6699

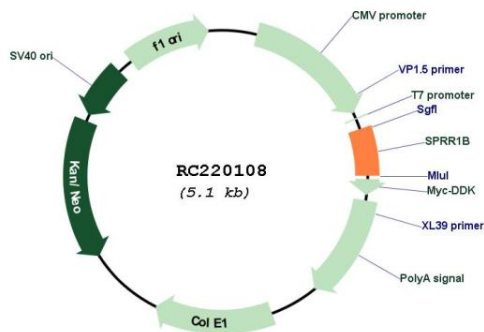
UniProt ID: [P22528](#)

Cytogenetics: 1q21.3

MW: 9.7 kDa

Gene Summary: The protein encoded by this gene is an envelope protein of keratinocytes. The encoded protein is crosslinked to membrane proteins by transglutaminase, forming an insoluble layer under the plasma membrane. This protein is proline-rich and contains several tandem amino acid repeats. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC220108