

Product datasheet for **MR228706**

Sprr3 (NM_001204427) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sprr3 (NM_001204427) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sprr3
Synonyms: SPR3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228706 representing NM_001204427
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTCTTACCAGCAAAGCAGCCCTTTGTCCACCTCCTCAGCCTGAACAGCATCAAGTGAAGCAAC
CTTGTGAGCCTCCACCACAAGGAAAATTTGTTCCCATAGCCACCTCTGAGCCATGCCACACAGATGTTCC
ACAACCAGGAAACACCAAGATTCAGAACCATGCAGCACCAAAGTGCCTGAGCCAGGGAACACTGTTGTT
CTTGAGCCAGATTATACTACGATGCCTGGGCCATGTTCTACAAACATCACTGAGCCAGATTATACCACAA
TTCTGGGCCATGCTCTACCAACATCACAGAGCCAGATTATACTACAATTCCTGGGCCATGCTCTACCAA
CATCCCTGGGCCAGATCGTACCGTGGTTCTGGATCATGCTCTACCAACATCACAGAGCCAGATTATACC
ACAATTCCTGGGCCATCCTCTACCAAAAATCCCTGACCCAGGCTGTGCCATGGTTCCTGGGCCAGTCCCT
CCAGTACTTCTGAGCCAAGCTCAGAACCATGCTCTATCAATGTTGCGTGAACCTGGCTACATGAATGCCTC
AGAGCCCACCCATGCCAAGGTTCTGATCAGGGCTACACCAAGATACCTGACCAGGGATCCTCTAAGGTA
CCAGAGCCATGCCAGTCCAGGGTTCTGAGGTGTGCCCCCAACTGTCACCCCTGTATCAGCTAAGCAGA
AGACCAAGCAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228706 representing NM_001204427
Red=Cloning site Green=Tags(s)

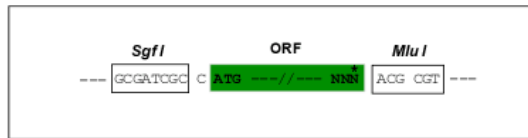
MSSYQQKQPFVPPPQPEQHQVKQPCQPPPQKGFVPIATSEPCHTDVPQPGNTKIPEPCSTKVPEPGNTVV
 LEPDYTTMPGPCSTNITEPDYTTIPGPCSTNITEPDYTTIPGPCSTNIPGPDRTVVPGSCSTNITEPDYT
 TIPGPSSTKIPDPGCAMVPGSPSSTSEPSSEPCVINREPGYMNASEPTHAKVPDQGYTKIPDQGSKV
 PEPCQSRVPEVCPPTVTPVSAKQKTKQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001204427

ORF Size: 714 bp

OTI Disclaimer: 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_001204427.1](#), [NP_001191356.1](#)

RefSeq Size: 1086 bp

RefSeq ORF: 717 bp

Locus ID: 20766

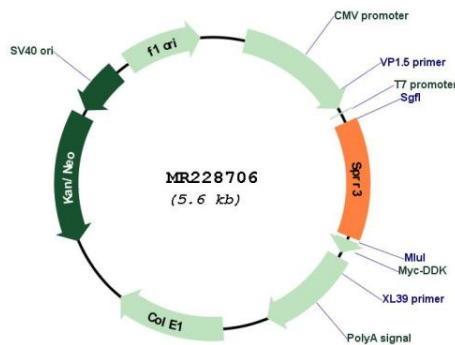
UniProt ID: [O09116](#)

Cytogenetics: 3 40.14 cM

MW: 25.7 kDa

Gene Summary: Cross-linked envelope protein of keratinocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228706