

Product datasheet for RC223895

SPRR3 (NM_005416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SPRR3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC223895 representing NM_005416, **codon optimized**.
Due to the complexity of NM_005416, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.
Blue=ORF **Red**=Cloning site **Green**=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGAGCTCCTACCAGCAGAAACAGACATTCCTCCTCCACAGCTTCAGCAGCAGCAGGTAAAGCAA
CCCTCCCAGCCCCCCCCCTCAGGAGATATTTGTTCCAACCTACGAAGGAGCCATGCCACAGTAAAGTCCCC
CAACCCGGAACACTAAATATCCCGAGCCGGGTGTACTAAAGTTCCCGAGCCAGGCTGCACAAAAGTG
CCAGAACCGGGTGTACTAAAGTGCCGGAACCCGGATGCACCAAGGTACCTGAGCCCGGATGTACCAAG
GTTCCAGAACCGGGATGCACAAAAGTGCTGAACCAAGTTACACAAAGTGCCCGAACCGGGAGTATT
AAGGTACCGGATCAGGATTTATCAAGTTCCCCGAGCCCGCGCCATTAAAGTACCAGAGCAGGGATAC
ACAAAAGTCCCGTACCCGGCTACACAAAATTGCCGGAACCATGTCCTTCAACAGTGACACCCGGCCCC
GCGCAGCAGAAGACCAAGCAGAAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGCCCGGC
```

Protein Sequence: >Peptide sequence encoded by RC223895
Blue=ORF **Red**=Cloning site **Green**=Tag(s)

```
MSSYQQKQTFTPPPQLQQQVKQSPPPQEIFVPTTKEPCHSKVPQPGNTKIPEPGCTKVPEPGCTKV
PEPGCTKVPEPGCTKVPEPGCTKVPEPGCTKVPEPGYTKVPEPGSIKVPDQGFIKFPEPGAIVPEQGY
TKVPVPGYTKLPEPCPSTVTPGPAQQKTKQK
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_005416

ORF Size: 507 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).

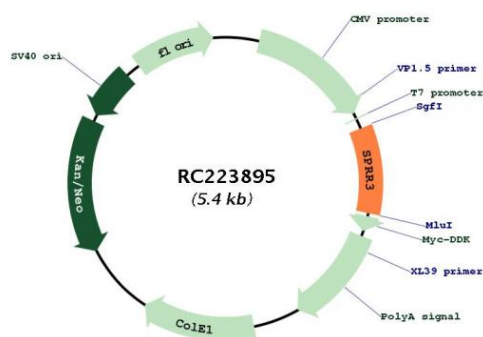
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq Size:	1002 bp
RefSeq ORF:	510 bp
Locus ID:	6707
UniProt ID:	Q9UBC9
Cytogenetics:	1q21.3
MW:	18.2 kDa
Gene Summary:	Cross-linked envelope protein of keratinocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223895