

## Product datasheet for **RR208498**

### Spred1 (NM\_001047089) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spred1 (NM\_001047089) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Spred1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208498 representing NM\_001047089  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGAGCGAGGAGACGGCGACTTCTGACAACGATAATAGTTATGCACGAGTGCGAGCTGTGGTGATGACCA  
GAGATGACTCAAGTGGTGGATGGCTACCACCTCGGAGGGAGCGGACTGAGCATTGCTACTGTCTTCAGAGT  
CCCTCAGCAGGAAGAGAATGGCTGTGCAGACTTTTATATCCGTGGAGAGAGACTCAGAGACAAAATGGTG  
GTTTTGGAATGTATGCTTAAGAAAGACCTCATCTATAATAAGGTCACTCCCACTTTTCACCACTGGAAGA  
TCGATGACAAGAAGTTTGGCCTTACCTTTCAGAGTCTGCTGATGCCAGGGCTTTTGATCGAGGCATTTCG  
AAGAGCTATAGAAGATATTTCTCAAGGGTGCCAGCATCAAAAAGTGAAGTGAAGGAGGAGATGATGAT  
TTACAAACAAGTGAAGGACACTTCCCGTTCCCTGGTAAAGATCACTTTTTTCAGCAAGAGACAGTTG  
TTACCTGTGATCCTTACAGAAGCTCAGACATAAGACCATTACCCTTTGAAGATCTGAATGCCAGAAGAGT  
CTACTTGCAAAGCCAAGTGAAGCAGATACCATTTGTGAGCAAGGCTAGACATACAGAGCCGAAGTATG  
GAATATGTACAGCGGCAGATATCTAAGGAATGTGGGAGCCTCAAGTCCCAAGCTAGGGTCCCTTGAAGT  
CTATCAGACATGTCAGCTTTCAAGATGAGGATGAGATTGTTAGAATAAATCCTCGAGATATCTTAATACG  
TCGGTATGCAGACTACAGACATCCGGACATGTGGAAAAATGACTTGGAGAGAGATGATACTGACTCCAGT  
GTTCCATTTTCTAAACAAGACAGTAAAAAGTCAAGTATTTCTACCCTGTGGGGATGAGACTAAGTTAA  
GTTCTCTGAAAGACTCTGTGGTATTTAAGACACAGCCTCCCTCATTAAAAATTAAGTCAAAACGAAGAAA  
AGAGGATGGGGAACGTTCTCGTGCCTGTACTGCCAGGAAAGGTTAATCATGAAGAAAATGGCAGGGGG  
AAATGCCAGGATGCTCCAGATCCTGTTAAAAGATGCATATATCAAGTTAGTTGCATGCTCTGTGCCGAGA  
GCATGCTGATCATTGTATGTGAGACTCAGAGGGAGACTTTTCTGACCCTTGTTCGTGTGACACTAGCGA  
TGACAAGTTCTGCCTAAGGTGGTTAGCCCTGGTAGCTCTGTCTTTCATTGTACCGTGTATGTGCTGCTAC  
GTCCCTTTGAGAATGTCCATCGCTGTGGTGGGATGTGGGTGCTGTGGTGGGAAACACAAGGCTGCTG  
GG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR208498 representing NM\_001047089  
Red=Cloning site Green=Tags(s)

MSEETATSDNDNSYARVRAVVMTRDDSSGGWLP LGGSGLSIVTVFRVPQQEENGCA DFIYIRGERLRDKMV  
 VLECMLKKDLIYNKVTPFHWWKIDDKKFG LTFQSPADARAFDRGIRRAIEDISQGC PASKTETEGGDDD  
 LQTTEEDTSRSLVKDHFQQETVVTCDPYR SSDIRPLPFEDLNARRVYLQSQVSI PFCCQGLDIQSRSM  
 EYVQRQISKECGSLKSQARVPLKSI RHVSFQDEDEIVRINPRDILIRRYADYRHPDMWKN DLERDDTDSS  
 VPFQKQDSKSDYFYHCGDETKLSSLKDS VVFKTQPPSLKFKSKRRKEDGERSRCVYC QERFNHEENGRG  
 KCQDAPDPVKRCIQVSCMLCAESMLYH CMSDSEGDFSDPCSDTSDDKFLRWLALVALS FIVPCMCCY  
 VPLRMCHRCEACGCCGGKHAAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

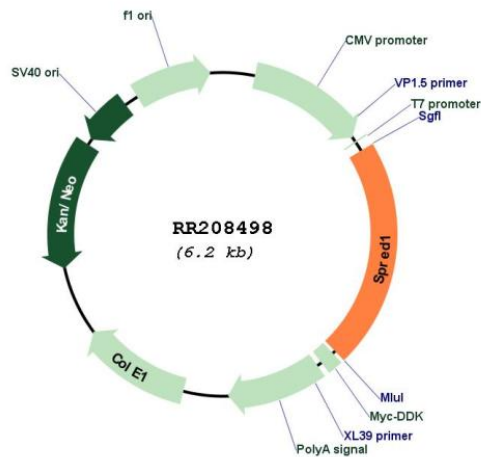
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001047089
<b>ORF Size:</b>	1332 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001047089.1</a> , <a href="#">NP_001040554.1</a>
<b>RefSeq Size:</b>	1335 bp
<b>RefSeq ORF:</b>	1335 bp
<b>Locus ID:</b>	296072
<b>Cytogenetics:</b>	3q35
<b>MW:</b>	50.8 kDa