

Product datasheet for **MR207088**

Spred1 (NM_033524) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spred1 (NM_033524) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spred1
Synonyms:	5730461F13Rik; AL024345; AW047647; Spre
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207088 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGAGGAGACGGCGACTTCTGACAACGATAAATGTTATGCACGAGTGCAGCTGTGGTGATGACCA
 GAGATGACTCAAGTGGTGGATGGCTACCACTCGGAGGGAGCGGACTGAGCAGCGTCACTGTCTTCAGAGT
 CCCTCATCAGGAAGAGAATGGCTGTGCGGACTTTTTTATCCGTGGAGAGAGACTCAGAGACAAAATGGTG
 GTTTTGAATGTATGCTTAAGAAAGACCTCATCTATAATAAGGCTACTCCACATTTCCACTGGAAGA
 TCGATGACAAGAAGTTTGGCCTTACCTTCAGAGTCTGTGATGCCAGGGCTTTTATCGAGGCATTTCG
 AAGAGCTATAGAGGATATCTCTAGGGTCCCCAGCGTCAAAAAGTGAAGGCTGAAGGAGGAGATGATGAT
 TTACAAACGACTGAAGAAGACACTTCCCGTCCCTAGTAAAGATCACTTTTTCCAGCAAGAGACAGTTG
 TTACCAGTGAACCTTACAGAAGCTCAGACATAAGACCGTTACCCTTTGAAGATCTGAATGCCAGAAGAGT
 CTACTTGCAAAGCAAGTCAAGCAGATACCATTAGTCAAGCAAGGCTAGACATTAGAGCCGAAGTATG
 GAATATGTACAGCGGCAATATCTAAGGAATGTGGGAGCCTAAAGTCCCAAAGTAGGGTCCCTTTGAAGT
 CAATCAGACATGTCAGCTTTCAAGATGAGGATGAGATTGTTAGAATAAATCCTCGAGATATCTTAATACG
 TCGATATGCAGACTACAGACATCCGGACATGTGGAAAAATGACTTGGAGAGAGATGATACTGACTCCAGT
 GTTCCATTTTCTAAACAAGACAGTAAAAAGTCAAGTATCTCTACCAGTGTGGGATGAGACTAAGTTAA
 GTTCTCTGAAAGACTCTGTGGTATTTAAGACACAGCCTCCCTCGTTAAAAATTTAAGTCAAAACGAAGAAA
 AGAGGATGGGGAACGTTCTCGTGCATATACTGCCAGGAAAGTTAATCATGAAGAAAACGCCAGGGGG
 AAATGCCAGGACGCTCCAGATCCTGTTAAAAGATGCATATATCAAGTTAGCTGCATGCTCTGTGCTGAGA
 GCATGCTATATCATTGTATGTCAGACTCAGAGGGAGACTTTTCTGATCCTTGTTCGTGTGACACTAGCGA
 TGACAAGTTCTGCCTAAGGTGGTTAGCCCTGGTAGCTCTGTCTTTCATTGTACCATGTATGTGCTGTCTAC
 GTCCCTTTGAGAATGTGCCATCGCTGTGGTGAAGCATGCGGGTGTGTGGTGGGAAACATAAGGCTGCTG
 GG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207088 protein sequence
 Red=Cloning site Green=Tags(s)

MSEETATSDNDNSYARVRAVVMTRDDSSGGWPLGGGSLSSVTVFRVPHQEENGCADFFIRGERLRDKMV
 VLECMLKKDLIYNKVPTFHHWKIDDKKFLTFQSPADARAFDRGIRRAIEDISLGC PASKTEAEGGDDD
 LQTTEEDTSRSLVKDHFQQETVVTSEPYRSSDIRPLPFEDLNARRVYLQSQVSIPIFSQQLDIQSRSM
 EYVQRQISKECGSLKSQTRVPLKSIHVSVFQDEDEIVRINPRDILIRRYADYRHPDMWKNDLERDDTDSS
 VPFQSKQDSKSDYLYHCGDETKLSSLKDSVVFKTQPPSLKFKSKRRKEDGERSRCVYCQERFNHEENARG
 KCQDAPDPVKRCIYQVSCMLCAESMLYHMSDSEGDFSDPCSDTSDDKFCLRWLALVALSFI VPCMCY
 VPLRMCHRCGEACGCCGKHAAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_033524

ORF Size: 1335 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_033524.3](#)

RefSeq Size: 6319 bp

RefSeq ORF: 1335 bp

Locus ID: 114715

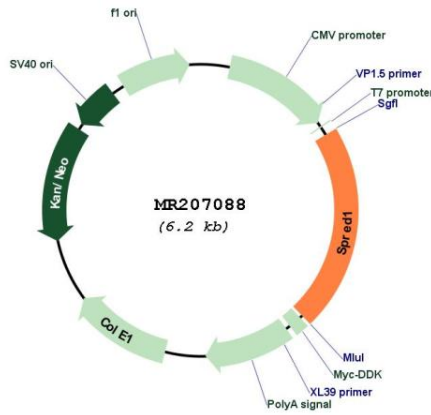
UniProt ID: [Q924S8](#)

Cytogenetics: 2 E5

MW: 50.7 kDa

Gene Summary: This gene encodes a membrane-associated protein that is phosphorylated by tyrosine kinases in response to growth factors. The encoded protein acts as a negative regulator of the mitogen-activated protein (MAP) kinase signaling pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]

Product images:



Circular map for MR207088