

Product datasheet for **MC226428**

Spred1 (NM_001277256) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spred1 (NM_001277256) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spred1
Synonyms: 5730461F13Rik; AL024345; AW047647; Spre
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226428 representing NM_001277256
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGAGGAGACGGCGACTTCTGACAACGATAATAGTTATGCACGAGTGCGAGCTGTGGTGATGACCA
GAGATGACTCAAGTGGTGGATGGCTACCACTCGGAGGGAGCGGACTGAGCAGCGTCACTGTCTTCAGAGT
CCCTCATCAGGAAGAGAATGGCTGTGCGGACTTTTTATCCGTGGAGAGAGACTCAGAGACAAAATGGTG
GTTTTGGAATGTATGCTTAAGAAAGACCTCATCTATAATAAGGTCACTCCACATTTACCAGTGGAAAGA
TCGATGACAAGAAGTTTGGCCTTACCTTCAGAGTCTGCTGATGCCAGGGCTTTTGATCGAGGCATTTCG
AAGAGCTATAGAGGATATCTCTAGGGTCCCCAGCGTCAAAAAGTGGGCTGAAGGAGGAGATGATGAT
TTACAAACGACTGAAGAAGACACTTCCCGTTCCCTAGTGAAGATCACTTTTTCCAGCAAGAGACAGTTG
TTACCAGTGAACCTTACAGAAGCTCAGACATAAGACCGTTACCCTTTGAAGATCTGAATGCCAGAAGAGT
CTACTTGCAAAGCCAAGTCAGCCAGGTGAGAAGACGAATACTGTTCCATGCATAGCTTATAGAAAAG
CTGGGTGTGCTACAGAACACCAAGGCCCTCCGCTCTTTCCATGTTACGAAACGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277256
Insert Size: 690 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001277256.1 , NP_001264185.1
RefSeq Size:	2007 bp
RefSeq ORF:	690 bp
Locus ID:	114715
UniProt ID:	Q924S8
Cytogenetics:	2 E5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two 3' coding exons and its transcription extends past a splice site that is used in variant 1, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>