

## Product datasheet for **MC202977**

### **Spred1 (NM\_033524) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Spred1 (NM_033524) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spred1
Synonyms:	5730461F13Rik; AL024345; AW047647; Spre
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC079606  
 GCGCCGCTCTCGGCTTCGCACTCGACCTCGGCGCGGCAAACCGCTGGGGTCGCCACGGCCGCGCTTCTGTC  
 CGCCGCCCCCTCGGGGGTGGCCGGGCTGCCCGGCTCGCGGGGCACCGCTCCGAGTGAGGCATCCACCA  
 TGGTGAGGCCCCCGAGCCGCTGCCCGCGCGCCCGCGGGCGTGTGCGCCGCGCCCTCGGTGCCGCC  
 GCTGCCGTGCTCCCTGCTGTGTTGCTCCTCCATCTCCTGATCGGATCACGGTGAGGGAAAGATGAG  
 CGAGGAGACGGCGACTTCTGACAACGATAATAGTTATGCACGAGTGCGAGCTGTGGTGATGACCAGAGAT  
 GACTCAAGTGGTGGATGGCTACCACTCGGAGGGAGCGGACTGAGCAGCGTCACTGCTTCCAGAGTCCCTC  
 ATCAGGAAGAGAATGGCTGTGCGGACTTTTTTATCCGTGGAGAGAGACTCAGAGACAAAATGGTGGTTTT  
 GGAATGTATGCTTAAGAAAGACCTCATCTATAATAAGGTCACTCCACATTTCCACTGGAAGATCGAT  
 GACAAGAAGTTTGGCCTTACCTTTCAGAGTCTGCTGATGCCAGGGCTTTTGATCGAGGCATTGCAAGAG  
 CTATAGAGGATATATCTTAGGGTGCACAGCGTCAAAAAGTGGGCTGAAGGAGGAGATGATGATTTACA  
 AACGACTGAAGAAGACACTTCCCGTTCCTAGTAAAGATCACTTTTTCCAGCAAGAGACAGTTGTTACC  
 AGTGAACCTTACAGAAGCTCAGACATAAGACCGTTACCCTTTGAAGATCTGAATGCCAGAAGAGTCTACT  
 TGCAAAGCCAAGTCAGCCAGATACCATTAGTCAGCAAGGCTAGACATTCAGAGCCGAAGTATGGAATA  
 TGTACAGCGGCAATATCTAAGGAATGTGGGAGCCTAAAGTCCCAAAGTGGGTCCCTTTGAAGTCAATC  
 AGACATGTCAGCTTTCAGATGAGGATGAGATTGTTAGAATAAATCCTCGAGATATCTTAATACGTCGAT  
 ATGCAGACTACAGACATCCGGACATGTGAAAAATGACTTGGAGAGAGATGATACTGACTCCAGTGTTC  
 ATTTTCTAAACAAGACAGTAAAAAGTCAAGACTATCTACCAGTGTGGGGATGAGACTAAGTTAAGTTCT  
 CTGAAAGACTCTGTGGTATTTAAGACACAGCCTCCCTCGTTAAAAATTTAAGTCAAACGAAGAAAAGAGG  
 ATGGGGAACGTTCTCGCTGCGTATACTGCCAGGAAAGGTTAATCATGAAGAAAACGCCAGGGGAAATG  
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 AGCAGTCCAGGGCCGCATGAGCTTAAACCTTCATCTCCAGGAATTAGCTAACTTGGATTTGTGGAAGCT  
 GTTGGCAAGCAATATGGAATCTTGCCGGTATCATTGGGGCCATGCGTGGAGGAAGCAGAAGTCAATCAGTT  
 CTTGTGATTTACAGATGCTAGCCGTGCCTGTTCCCTGAGTGCATGGCATGTTCTGGGACAGATCACAGA  
 GCATTTTCAGAAGGCAGTCATTTCTGGTATTGATTACAAAAGGTCACATAGAATAGGATCCAACATAAA  
 AGGGATTAATTTTGGCATTTCATATTTATGCACTAGGTGATGGGACTTTTTAAAGATTTGAATCTTTA  
 GGACATTAACATAAAAGTGCCTAAGGGACAGTATTTAGTACAGAAAAGTTAGTACTTGGGAAATTA  
 GAGATAAGACAAGTGAACATAAATCATTGGTTGTTTTTAAAGCAGTTTTATGTATAAATAACAAATGT  
 TTATATTTAACTAAATGTAAAGTACGAATATGACATATTAACCTTTCTTGCCCTCCTAGTTCGAGG  
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 GTGTCCATGTGAGAGATTCGGTGAGTTCATCCTCAGCTCTTGGGCTGCAGTTTATATTGAGTCATATC  
 TGTACATTCGGAGATCTAAAATCTTTAAAATACTCTAATAGCCTTGAGTGACCAACCTTTTTTTTTAAA  
 GCACAGATGTAATTGTCTAATGTTCTGATGAAATGTAACACTTATTTTTATATAAAGAGATTGAGTAAA  
 CAGAAGAAATTGAGGGTTCCTTAGTTGTTTTGTTCTGTGGTATTCAGCCAGCAAGTTGTTTTCTTTCA  
 GAGTTTCTCCTTCAGAGAACTTAACTGCATTTATAACGTTTTACAAGGCAGAAGCATTAACTGGATAG  
 TTAGTGTGAAACAGTTTCCGCTTGAGATCTCCATTTCTCACTGCTGAGCCAGAAGTGCACAGCTGTT  
 TCACTGATTTTCTGTGCTTATTACTCACATAACAATGTAATTAATAACCTTTTCAGTTGCATTTTATTATA  
 TTTCAGGAGCAAAGTTACTTTGAGTAACACATATGCAGAATTCTCCAGGAAAGTATTCAATCCACCAT  
 TGTGAATGAAATCTTATACACCACATTCCTGTGCGAGAGCATTGTATTATGGGATGTTGATTTACAA  
 AGTAGTGTGATATGCTCCAGCAAACAGGTTAAAAATACTTTGAGGTCAAATGTCTTGGTTTTGTTTTT  
 TAAAGTGTACTATTAACCTCTGTGAGGGATTGTTGCAAAATACTCCCTCAGGAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI  
 ACCN: NM\_033524  
 Insert Size: 1335 bp

<b>OTI Disclaimer:</b>	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).
<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="#">BC079606</a> , <a href="#">AAH79606</a>
<b>RefSeq Size:</b>	3042 bp
<b>RefSeq ORF:</b>	1335 bp
<b>Locus ID:</b>	114715
<b>UniProt ID:</b>	<a href="#">Q924S8</a>
<b>Cytogenetics:</b>	2 E5
<b>Gene Summary:</b>	<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 (1) represents the longer transcript and encodes the longer 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>