

## Product datasheet for **MG207088**

### Spred1 (BC079606) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spred1 (BC079606) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spred1
Synonyms:	5730461F13Rik; AL024345; AW047647
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207088 representing BC079606  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCGAGGAGACGGCGACTTCTGACAACGATAAATGTTATGCACGAGTGCGAGCTGTGGTGATGACCA  
 GAGATGACTCAAGTGGTGGATGGCTACCACTCGGAGGGAGCGGACTGAGCAGCGTCACTGTCTTCAGAGT  
 CCCTCATCAGGAAGAGAATGGCTGTGCGGACTTTTTTATCCGTGGAGAGAGACTCAGAGACAAAATGGTG  
 GTTTTGAATGTATGCTTAAGAAAGACCTCATCTATAATAAGGTCACTCCACATTTCCACTGGAAGA  
 TCGATGACAAGAAGTTTGGCCTTACCTTCAGAGTCTGTGATGCCAGGGCTTTTATCGAGGCATTTCG  
 AAGAGCTATAGAGGATATCTCTAGGGTCCCCAGCGTCAAAAAGTGAAGGCTGAAGGAGGAGATGATGAT  
 TTACAAACGACTGAAGAAGACACTTCCCGTCCCTAGTAAAGATCACTTTTCCAGCAAGAGACAGTTG  
 TTACCAGTGAACCTTACAGAAGCTCAGACATAAGACCGTTACCCTTTGAAGATCTGAATGCCAGAAGAGT  
 CTACTTGCAAAGCAAGTCAGCCAGATACCATTAGTCAGCAAGGCCTAGACATTAGAGCCGAAGTATG  
 GAATATGTACAGCGGCAATATCTAAGGAATGTGGGAGCCTAAAGTCCCAAAGTCCCTTTGAAGT  
 CAATCAGACATGTCAGCTTTCAAGATGAGGATGAGATTGTTAGAATAAATCCCTCGAGATATCTTAATACG  
 TCGATATGCAGACTACAGACATCCGGACATGTGGAAAAATGACTTGGAGAGAGATGATACTGACTCCAGT  
 GTTCCATTTTCTAAACAAGACAGTAAAAAGTCAGACTATCTTACCCTGTGGGGATGAGACTAAGTTAA  
 GTTCTCTGAAAGACTCTGTGGTATTTAAGACACAGCCTCCCTCGTTAAAAATTAAGTCAAACGAAGAAA  
 AGAGGATGGGGAACGTTCTCGTGCATATACTGCCAGGAAAGTTAATCATGAAGAAAACGCCAGGGGG  
 AAATGCCAGGACGCTCCAGATCCTGTTAAAAGATGCATATATCAAGTTAGCTGCATGCTCTGTGCTGAGA  
 GCATGCTATATCATTGTATGTCAGACTCAGAGGGAGACTTTTCTGATCCTTGTTCGTGTGACTAGCGA  
 TGACAAGTTCTGCCTAAGGTGGTTAGCCCTGGTAGCTCTGTCTTTCATTGTACCATGTATGTGCTGTAC  
 GTCCCTTTGAGAATGTGCCATCGCTGTGGTGAAGCATGCGGGTGTGTGGTGGGAAACATAAGGCTGCTG  
 GG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207088 representing BC079606  
 Red=Cloning site Green=Tags(s)

MSEETATSDNDNSYARVRAVVMTRDDSSGGWLP LGGSGLSSVTVFRVPHQEENGCADFFIRGERLRDKMV  
 VLECMKKDLIYNKVTPTFHHWKIDDKKFG LTFQSPADARAFDRGIRRAIEDISLGCPASKTEAEGGDDD  
 LQTTEEDTSRSLVKDHFQQETVVTSEPYRSDIRPLPFEDLNARRVYLQSQVSIQIPFSQQGLDIQSRSM  
 EYVQRQISKECGSLKSQTRVPLKSI RHVSFQDEDEIVRINPRDILIRRYADYRHPDMWKNDLERDDTSS  
 VPFKQDSKKS DYLYHCGDETKLSSLKDSVVFKTQPPSLKFKSKRRKEDGERSRCVYQCERFNHEENARG  
 KCQDAPDPVKRCIYQVSCMLCAESMLYHCMSDSEGDFSDPCSCDTSDDKFLRWLALVALSFIVPCMCCY  
 VPLRMCHRCGEACGCCGKHAAG

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<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>	<u><a href="#">BC079606</a></u> , <u><a href="#">AAH79606</a></u>
<b>RefSeq Size:</b>	3042 bp
<b>RefSeq ORF:</b>	1334 bp
<b>Locus ID:</b>	114715
<b>Cytogenetics:</b>	2 E5
<b>Gene Summary:</b>	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]