

Product datasheet for **MG202760**

Spred1 (BC057874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spred1 (BC057874) 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)
ORF Nucleotide Sequence:	>MG202760 representing BC057874 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGAGGAGACGGCGACTTCTGACAACGATAATAGTTATGCACGAGTGCGAGCTGTGGTGATGACCA
GAGATGACTCAAGTGGTGGATGGCTACCACTCGGAGGGAGCGGACTGAGCAGCGTCACTGTCTTCAGAGT
CCCTCATCAGGAAGAGAATGGCTGTGCGGACTTTTTTATCCGTGGAGAGAGACTCAGAGACAAAATGGT
GTTTTGGAATGTATGCTTAAGAAAGACCTCATCTATAATAAGGTCACCCACATTTCACTGGAAGA
TCGATGACAAGAAGTTTGGCCTTACCTTTCAGAGTCTGCTGATGCCAGGCTTTTGATCGAGGCATTTCG
AAGAGCTATAGAGGATATATCTCTAGGGTGCCAGCGTCAAAAAGTGAAGGAGGAGATGATGAT
TTACAAACGATTGAAGAAGACACTTCCCGTCCCTAGTGAAGATCACTTTTCCAGCAAGAGACAGTTG
TTACCAGTGAACCTTACAGAAGCTCAGACATAAGACCGTTACCCTTTGAAGATCTGAATGCCAGAAGAGT
CTACTTGCAAAGCCAAGTCAGCCAGGTGAGAAGACGAATACTGTTTCCATGCATAGCTTATATAGAAAAG
CTGGGTGTGCTACAGAACACCAAGGCCCTCCGCTCTTTCCATGTTACGAAACGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202760 representing BC057874
Red=Cloning site Green=Tags(s)

MSEETATSDNDNSYARVRAVVMTRDDSSGGWPLGGGSLSSVTVFRVPHQEENGCAFFIRGERLRDKMV
 VLECMLKKDLIYNKVTPTFHHWKIDDKKFLGTFQSPADARAFDRGIRRAIEDISLGC PASKTEAEGGDDD
 LQTIEEDTSRSLVKDHFFQQETVVTSEPYRSSDIRPLPFEDLNARRVYLQSQVSVRRRILFPCIAIYIEK
 LGVLQNTKALRSFPCYETI

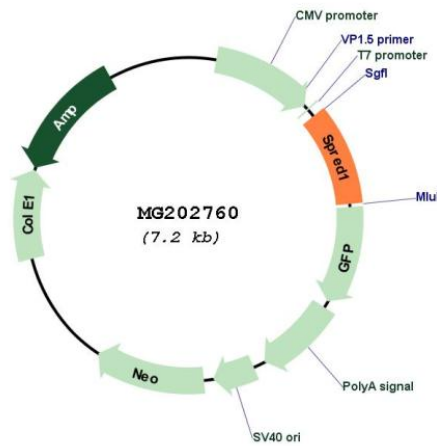
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC057874

ORF Size: 687 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:	<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:	BC057874.1
RefSeq Size:	1453 bp
RefSeq ORF:	689 bp
Locus ID:	114715
Cytogenetics:	2 E5
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]