

Product datasheet for **MG206449**

Spred2 (BC066013) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spred2 (BC066013) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spred2
Synonyms:	C79158
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206449 representing BC066013 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGAAGAAACACACCCGGACGATGACAGCTAATTGTGCGTGTCAAGGCTGTGGTTATGACCAGAG
ATGACTCCAGCGGGGATGGTCCACAGGAAGGAGCGGGATCAGTCGCGTCGGCGTGTGTAAGGTCAT
GCACCCGTAAGGCAACGGACGAAGCGGCTTCTCATCCATGGCGAGCGACAGAAAGACAACTGGTGTA
TTGGAATGCTATGTCAGAAAGGACTTGGTCTACACAAAGCCAATCCGACGTTTCATCATTGGAAGGTTG
ATAACAGGAAGTTTGGACTTACTTTCAAAGTCTGCAGATGCACGAGCCTTTGACAGGGCGGTGAGAAA
AGCCATTGAAGACCTTATAGAAGTTCAACGACCTCCTCTCCACTCTCCATAACGAAGCTGAGCTCGGA
GACGATGACGTTTTACGACAGCTACGGACAGTCTTCTAATTCTCGCAGAAGAGGGAGCCGACTACGA
GGACAATCTCTCCCCACGTCCTGTGAGCACCAGGAAATTTATACCCCTTGACCCATACCCCATGGACCA
TTACCACCTGACCAGCGGTTGCCGCGTCTACCCCAAGGTCACCTTCCAGAAGATGATGAAGAAATT
GTACGCATCAACCCCGAGAGAAGATCTGGATGACCGGTTATGAAGACTACCGGCACGCGCGGTTCCGG
GCAATACTTAGACACCAGAAAGACGCGGACTCCTACGTGCGCTTCGCCAAGGGCGAAGTCCCAAAACA
CGAATATACCTATCCCTATGTTGATTCTTCGACTTCGGCTTCGGGAGGATCCCAAGGTTAGTGTGATC
AAGACACAGCCGCCAGGGCCAAGTCCCCTCGGCGGAAGGAGAACGGCGAACCGGTCGCGGTGTGTACT
GCAGGGATATGTTTAATCACGAAGAGAACCGAAGGGCCACTGCCAAGACGCGCCCGACCGCTGAGAAC
TTGCATTCCGCGGTGAGCTGTATGTGGTGCAGGACAGCATGCTGTACCACTGTATGTCCGACCCCGAG
GGAGACTACACTGACCCTTGTTCGTGTGACACAAGCGATGAGAAGTTTTGCCTCCGGTGGATGGCTCTAA
TTGCCTTGTCTTCTGGCCCCTGTATGTGCTGTACCTGCCCTCCGGGCTGCCACCGCTGTGGAGT
GATGTGCAGGTGCTGTGGTGGGAAGCACAAAGCCGCCGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206449 representing BC066013
 Red=Cloning site Green=Tags(s)

MTEETHPDDDSYIVRVKAVVMTRDDSSGGWFPQEGGGISRVGVCVMHPEGNRSGFLIHGERQKDKLVV
 LECYVRKDLVYTKANPTFHHWKVDNRKFGTLTFQSPADARAFDRGVRKAIEDLIEGSTTSSSTLHNEAELG
 DDDVFTTATDSSSNSSQKREPTTRTISSTPSCEHRKIYTLDPYPMHDHYHPDQRLPRSYPQVTFPEDDEEI
 VRINPREKIWMGTGYEDYRHAPVRGKYLDTTEDADSYVRFKAGEVPKHEYTYPYVDSDFGFEDPKGSVI
 KTQPRAKSRRRKENGERSRCVYCRDMFNHEENRRGHCQDAPDAVRTCIRRVSCEMWCADSMLYHCMSDPE
 GDYTDPCSCDTSDEKFCLRWMLIALSFLAPCMCCYLPLRACHRCGMCRCCGGKHKAAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC066013

ORF Size: 1232 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: [BC066013](#), [AAH66013](#)

RefSeq Size: 2940 bp

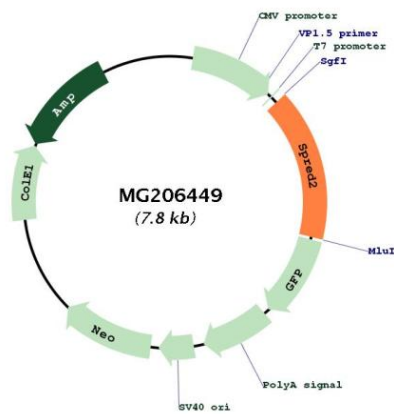
RefSeq ORF: 1232 bp

Locus ID: 114716

Cytogenetics: 11 A3.1

Gene Summary: Negatively regulates Ras signaling pathways and downstream activation of MAP kinases. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206449