

## Product datasheet for **MC207844**

### Spred2 (NM\_033523) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Spred2 (NM\_033523) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Spred2  
 Synonyms: C79158  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC207844 representing NM\_033523  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCGAAGAAACACACCCGGACGATGACAGCTATATTGTGCGTGTCAAGGCTGTGGTTATGACCAGAG  
 ATGACTCCAGCGGGGATGGTTCCACAGGAAGGAGCGGGATCAGTCGCGTCGGCGTGTGAAGTCAT  
 GCACCCGAAGGCAACGGACGAAGCGGCTTTCTCATCCATGGCGAGCGACAGAAAGACAACTGGTGGTA  
 TTGGAATGCTATGTCAGAAAGGACTTGGTCTACACCAAAGCCAATCCGAGTTTCATCATTGGAAGTTG  
 ATAACAGGAAGTTTGACTTACTTTCCAAAGTCCTGCAGATGCACGAGCCTTTGACAGGGGCGTGAGAAA  
 AGCCATTGAAGACCTTATAGAAGTTCAACGACCTCCTCTTCCACTCTCCATAACGAAGCTGAGCTCGGA  
 GACGATGACGTTTTACGACAGCTACGGACAGTTCTTCTAATTCCTCGCAGAAGAGGGAGCCGACTACGA  
 GGACAATCTCTCCCCACGTCTGTGAGCACCAGGAAATTTATACCCTTGACCCATACCCCATGGACCA  
 TTACCACCCTGACCAGCGGTTGCCGCGTCTACCCCAAGTCACCTTCCAGAAGATGATGAAGAAATT  
 GTACGCATCAACCCCGAGAGAAGATCTGGATGACCGTTATGAAGACTACCGGCACGCGCCGGTTCGCG  
 GCAAATACTTAGACACCACAGAAGACGCGGACTCCTACGTGCGCTTCGCCAAGGGCGAAGTCCCCAAACA  
 CGAATATACCTATCCCTATGTTGATTCTTCGGACTTCGGCTTCGGGAGGATCCCAAAGGTAGTGTGATC  
 AAGACACAGCCGCCAGGGCCAAGTCCCGTCCGGGAAGGAGAACGGCGAACGGTTCGCGGTGTGTACT  
 GCAGGGATATGTTAATCACGAAGAGAACCAGGGGCCACTGCCAAGACGCGCCCGACGCGGTGAGAAC  
 TTGCATTCGCGGGTGTGCTGTATGTGGTGCAGGACAGCATGCTGTACCACTGTATGTCGACCCCGAG  
 GGAGACTACACTGACCCTTGTTCGTGTGACACAAGCGATGAGAAGTTTTGCCTCCGGTGGATGGCTCTAA  
 TTGCCTTGTCTTCTGGCCCTTGTATGTGCTGTACCTGCCCTCCGGGCTGCCACCCTGTGGAGT  
 GATGTGCAGGTGCTGTGGTGGGAAGCACAAAGCCCGCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_033523
<b>Insert Size:</b>	1233 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="#">NM_033523.4</a> , <a href="#">NP_277058.1</a>
<b>RefSeq Size:</b>	2872 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	114716
<b>UniProt ID:</b>	<a href="#">Q924S7</a>
<b>Cytogenetics:</b>	11 A3.1
<b>Gene Summary:</b>	Negatively regulates Ras signaling pathways and downstream activation of MAP kinases. [UniProtKB/Swiss-Prot Function]