

Product datasheet for **MC202165**

Stac2 (NM_146028) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stac2 (NM_146028) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stac2
Synonyms:	24b2; 24b2/STAC2; AW240854
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029794 sequence for NM_146028
 GGCTTTGCACATCCGCGCATCCCTACTTCCCTCCTCCTCCCGCGGAGCGCAGCATCCTCTGCAGACCCTT
 GGTCTCACACCCCGGTTCGTCAGCTTCCGCGGCTCGGGTAATTGCCTCCCTCTCCCTGCCACACCG
 ACAACTTTCTCCCTGGTGCCTGGGGTTAGGGGCTGCTTTGCCTGGGAGGGTTTCTCTGGGGTCACTG
 AAGAGCTGCCCTGGAGAAAGGCTTGAGAGTCCCAAAGAGACGCCGCCACTCACAGCCTGACCCAGCG
 GGCTGCCGTGGGTCTCCGCACCCTCTTCTTTATACCCCAACCATGACCGAAATGAGCGAGAAGGA
 GAATGAACCGGATGACGCGGCCACCCATACCCCCAGGGACCGTCTCCACCCTCAAGAACAACAGCTC
 CAGCGATTTAAGCGCTCCCTCTCCCTCAAACCATCCTTCGAAGTAAGAGCGTAGAGAACTTCTTCTCC
 GCTCGGGCTCTGAGCTCAAGTGCCCAACAGAGGTGCTGCTGACACCGCCAACCCCACTGCCTCCCTTTC
 TCCACCACCTGCATCCACAGACAGGGGTCTACCCACCCCAACACCCTCCCGTGCCAGTCCCTCGCCCC
 TTGGCACCCTCAAACAGTGAAGTGCACAGTTTCCAGGAACATGTCTTCAAGAGAGCCAGCCGTGTG
 AACTGTGCCACCAGCTCATTGTGGGAACTCCAAACAGGGCTTGCATGTAAGACTTGCAAAGTCAAGCT
 TCACCTCTGGTCTCCGAGGAGATCTCCACCAGCAATGCCCGGCAAGACATCCACATCTTTTCGACGC
 AACTTCAGCTCCCACTCCTGGTGCATGAGCCACCACCAGCCTGTGCCATGAACAAGGAGTCCCACTA
 CTGGGACCAGCGGAAGGTGGACCCAGTTTATGAGACGCTGCGCTATGGCACCTCCTGGCACTGATGAA
 CCGTTCAGCTTACGAGCACATCTGAGTCCCCACACGAGCCTGAGTGAAGCTGACGAGCTAACAGAA
 GACGGGAAGGCAGCATCCGCAGCTCAGAAGAGGGGCTGGGGACAGTGTATTACAGCTCCAGCAGAAA
 GTGAAGGCTCCGACAGAGGAGAAGAGCCCTGGACAGCAGCCCCAAAGCTGCCCTGCGGAAGGACGT
 GGGGCCCATGACTCCTACGTCGCCCTCTACAAGTTCTGCTCAGGAGAACAATGACCTGGCTCTGCAG
 CCTGGAGATCGGATCATGCTGGTGGATGACTCTAACGAAGACTGGTGAAGGGAAGATTGGCGACCGAG
 TTGGCTTCTTCCAGCCAATTCGTGCAGCGGGTGAAGCCAGGAGAGAATGTTTGGCGATGCTGTACGCC
 TTTCTCTGAAACAAGGAGCAGGGTTACATGAGCCTCAAGGAGAACCAGATCTGCGTGAAGCGTGAAGC
 AGAAGGATAGCGATGGCTTTCATCCGCGTCAGCAGTGGCAAGAAGCGGGGTTTGGTGCACGCCACTCCT
 TGGCAGAGATCTGACAGAAACCGAGAGAACCAGATGCTACCCCTGCCCATGCCTGGCTCTTGGCTTGG
 CCTGAGAAGGAAGCGGGATCCTGGCCACACCCTTCTCTCCAGTCTCTCTCCTAAGCATCACCCGCC
 CCACTTAGGAGCCTTCTGCACTGAGGAAGGTTTATTTCTTGGTTGGGGTATCCTGAATGGGGCTTGGGAA
 AGGGAGTCAAAGTGGGAAGAAACGAGGAAGTTACAGGTAGGACCACCCGAGCCCAAGCACCACCTAGT
 CGGGTTGCCATAGTGAAGGCCACCCTAGGGAGTCGCTGCTTCCAGAGACTACCCGCTCATACTGC
 CTTGCATGCTGACTCCTCTGCCCACAGCCTTTGCTTGGGTCTGTGTATCCACCCTCTGCAAGTGGGG
 CCTTGAGAGAGGACCTGTTGGTGTCCCTTAGCCCTCCCTCTGGCTTGAAGACGCTGAGGACTATGGG
 AGAGCCCTAAGTTAACCACTGTACCCCTTCACTCTCAGGAAAGTTCAGGAATCTTTCAATTACTTG
 AACCTGGGCGACAGAGCAGGGTCAGGACTGAGGTCTGCAAGGGATTGTAAACAGTGAAGTCTGTTCTCT
 TGAAGGCAGTCTCACAGAACAGTCTATTCTCCTTTGTCTACTAGAAATCGGTAGCCAAGAGCAGCCTG
 GACAAAGACCCAGGTGGAGAACAAGACGCTGGCCCTTGCTTGGTCAAACATTTCACTGTTAGGACTCCA
 GAAATCCCTACCACAGAAAGCAGACAGCTAGGGGAGTCTGAGGTTGTGAGGTCTGGTTTCTCTAAAGCC
 CTGTCTCAGATGGACCAAACCTTACCTTCTACCGTTTGGGCTCTATAGGGCCATCCCTGGGAAGGATA
 CCTTGGCAGATTGAGGAAGGCTATGGAAAGTCTTTTGGCCACCATCAAATGATGCTCTAGGAGCCCTTA
 GCCCTCCTGGCAGGACAAAGGACCTCTTCTCAAGAGGCTGCTTCTTCTTTTCTGGTGCACGACCTG
 CCCCTCCTCAAGCTCAGATCCTCTTTAAGCCCTGATCCTGTCAGCCAATGCCACCCCAAGTCTCT
 GGGCACAGTCTTGCCTTCCATACAACGAGAGGACACTGATTCTCTACCCAACACACCTTGCCCCATTTTC
 CCCCTAAAGGGGCTAAAGCCACACTGCCTGTTTGGTGCATGAGGGCCCCCCCCCAGAAAATCCCC
 GGGGCGGGCCCAATGCCCACTGTACATGAGGCTGCATGACGGGTCTGTGGGGGCTTGTGAGCCCCCAG
 GCCATAATTAATGTTTCTGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_146028
Insert Size: 1227 bp

OTI Disclaimer:	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).
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:	BC029794 , AAH29794
RefSeq Size:	2928 bp
RefSeq ORF:	1227 bp
Locus ID:	217154
UniProt ID:	Q8R1B0
Cytogenetics:	11 D
Gene Summary:	Plays a redundant role in promoting the expression of calcium channel CACNA1S at the cell membrane, and thereby contributes to increased channel activity (PubMed:29467163). Slows down the inactivation rate of the calcium channel CACNA1C (PubMed:25548159, PubMed:29363593).[UniProtKB/Swiss-Prot Function]