

Product datasheet for **SC319517**

STAC (NM_003149) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAC (NM_003149) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAC
Synonyms:	STAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003149.1
 GAGGCTGGAGGAGGGCACGTCGGCGCCTCGGCGAGGATGGGAGTCCCCAGGACCCGGAGC
 TGAGCAGCCTGGCGCGCGGGCAGGGCGCGCAGGACAGAAGCCTCGCTGTTCTCCGG
 GAGCCCAACACCGTTCCCGCGCGGCCACGATGATCCCTCCGAGCAGCCCCGCGAGGACG
 GCGTGGACGGGTGCCAAGGAGCGGTGGGCGCCGAGCAACGCCCTCTCTGCATCCA
 CCAGCAGCCAGGAATCCAAGTCCAGAACTAAAACGATCACTTTCTTTCAAGACCAAGA
 GTTTACGGAGCAAAAGTGTGACAACCTTTCCAGCGAACCAACAGCGAAGACATGAAAC
 TGCAAGCACACATGGTGGCTGAGATCAGCCCCAGCTCCAGCCCACTCCCTGCTCCAGGAA
 GCCTGACGTCCACACCCGCCAGGGCTGGTCTGCATCCAGGTGGCAAGGCTCATGCCTTTC
 ATGAATACATCTTCAAGAAGCCCACTTTCTGTGATGTCTGCAACCACATGATAGTGGGAA
 CAAATGCTAAGCATGGACTGCGCTGCAAAGCCTGTAAGATGAGCATCCACCACAAGTGCA
 CAGATGGCCTGGCACCCAGCGGTGCATGGCAAGCTGCCAAAGGGGTTTCGGCCTTACT
 ACAGCTCCCCCTTGCTCATTGATGAACAGTTTGGCTGCATTAAGAAGTTATGCCATTG
 CCTGTGGCAATAAGGTGGACCCTGTCTACGAGACCCTCCGCTTCGGCACCTCCCTGGCCC
 AGAGGACAAAGAAGGGCAGCTCCGGCAGTGGCTCTGACTCACCTCACAGAACCTCTACTT
 CAGATCTTGTGGAGGTTCTGAGGAAGCCAATGGGCCAGGAGGGGATGACCTAAGGA
 AACGCAGCAACAGCGTGTTCACATATCCAGAAAATGGCACTGATGATTTAGAGATCCAG
 CGAAGAACATAAAACCACCAGGGATCTCTTCCAAAGACCCATTACAGATGAACACCTATG
 TTGCCCTGTACAAATTTGTACCACAGGAGAATGAAGATTTGGAATGAGGCCAGGAGACA
 TAATTACTCTTTTAGAGGATTCATGAAGACTGGTGGAAAGGGAAAAATCAAGACAGAA
 TTGGCTTCTTTCCAGCCAACCTTTGTTTCCAGACTACAACAAAATGAGAAGATTTTAGAT
 GTGTTAGAACCTTCATTGGGTGTAAGGAACAGGGCAGATAAACTGAAAGAGAATCAGA
 TCTGCTGAGTTCTGAAGAAGAACAAGATGGTTTTATCAGAGTCCCTCAGTGGAAAAAGA
 AAGGCCTCATCCCCCTTGATGTACTAGAAAACATCTGATTGCTGGCTCCTCCTCGTTTTG
 CAGTAGGCAAGCTCTGCTGCGATGCCTCTGCCTCATCTCACACTGCGTCAACCCAAAGGA
 GCTGCCGCACTGACCCAGCCCCCAGGAAACAGTGAAGCAAGAATCAAGTATCTGAGACT
 GTGGAGTAAATAGCCACAAAACAGAGGGCCCACTGCACAGCATATCCAGGCTGCCACAGGT
 GGGGACGAGGCTGAGAGAGTCAAGGAGCCAGATGCCATGCTTGGCAGCAGCAGTA
 GGACTATAAACCACAGCTGTCCCCAGGATCCCACTCCTTCTGCTGTGTGGTGAAG
 TTAACACACTGGAGTGTCTCCAGTTTGCAGGGTAGCCAGTGAAGGTTTCCAGATCCATG
 TAGCTAAGTATTATCCTGCTCCAGACCTATGTCACCAGTACCAATCAGTCAGTGTATC
 ACATTTACAGCCCAAGCAATCTCTGTGCAAAAGCATCAGAAAGACCTGCTTCCCAGCCCC
 CAGCATTCCAGTGTCTCCAGGCTTCTCTCTTTGTGATTGTGGCTGTCCAGAGTGTCCAG
 CTTGTTCTTTCTTCTTTCAGTCTCTGAGTACATCTGGTGGTGTGCATTAGATGTGAG
 GGCTATGTTGACATGGCATCACCTCCAAAGACCTGACCTGCCTAAAGACTGATGACAGGC
 CATCCTTCTGCTGTTCTAGGTAAGTGGCTGGGTGACAGAGCAGGACATGAGACATAGAT
 ACAGTGGGAGGAGAAGTGGGAAAGGTGGAGCAGAGAGTTCTTACTTATTGAAGATTAT
 ACAGCCCTTTTCGGTTATGAAGTCCCTGCTTGAAGGCAATGGACCTGGGGAAGAGACTATC
 AAAAAAGTCTCCATTTTCAATTTACATCCTCTCTATTGGAGGCAGCACTTTTCCCTCAT
 GCTGCTCTATAGGACTCCACTTTGAAGGTTGTGCCTACGTTGCAGGGAAGTGAAGACATG
 GAGGGGAACCAACAACAGCATCTTAGAAGAAATGTAGCCAAATTGGAGTCCATTCTTCTT
 TAGGGCAGTATATGAAATCCTAGCAGATGTAAAATGGAAGAAGTCTAATGCTTCTTCC
 TTCAGAAAGTAGAGGAACTAGGGGCCAATTAGCATCATCTAGGGGAATCTCTATTACTC
 TGTACTTATACTAATGTTTACAAGAAATGCAATATACTGTGATGCCTTCTACTCAAGCCT
 CCTAGCATTCAAACCTCCATCCTATTAGTCATTAACATGGTTAAACTTCAATTCACAATC
 ACCTTGGAAATCAATGTCAGTTTGATTTATTTTGTACAGAGCAATAAAATCATTAGAACA
 ATGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003149

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_003149.1</u> , <u>NP_003140.1</u>
RefSeq Size:	2963 bp
RefSeq ORF:	1209 bp
Locus ID:	6769
UniProt ID:	<u>Q99469</u>
Cytogenetics:	3p22.3-p22.2
Domains:	SH3, DAG_PE-bind
Gene Summary:	<p>Promotes expression of the ion channel CACNA1H at the cell membrane, and thereby contributes to the regulation of channel activity. Plays a minor and redundant role in promoting the expression of calcium channel CACNA1S at the cell membrane, and thereby contributes to increased channel activity. Slows down the inactivation rate of the calcium channel CACNA1C.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>