

## Product datasheet for SC335475

### STAC (NM\_001292049) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STAC (NM_001292049) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAC
Synonyms:	STAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335475 representing NM_001292049. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCCTCCGAGCAGCCCCGCGAGGACGGCGTGGACGGGCTGCCAAGGAGGCGGTGGGCGCCGAG
CAACCGCCTCTCCTGCATCCACCAGCAGCCAGGAATCCAAGCTCCAGAACTAAAACGATCACTTTCT
TTCAAGACCAAGAGTTTACGGAGCAAAGTGCTGACAACCTTTCCAGCGAACCAACAGCGAAGACATG
AAACTGCAAGCACACATGGTGGCTGAGATCAGCCCCAGCTCCAGCCACTCCCTGCTCCAGGAAGCCTG
ACGTCCACACCCGCCAGGGCTGGTCTGCATCCAGGTGGCAAGGCTCATGCCTTTCCAGGAATACATCTTC
AAGAAGCCACTTTCTGTGATGTCTGCAACCACATGATAGTGGCCTGTGGCAATAAGGTGGACCCTGTC
TACGAGACCCTCCGCTTCGGCACCTCCCTGGCCCAGAGGACAAAGAAGGGCAGCTCCGGCAGTGGCTCT
GACTCACCTCACAGAACCTCTACTTCAGATCTTGTGGAGTTCCTGAGGAAGCCAATGGGCCAGGAGGC
GGGTATGACCTAAGGAAACGCAGCAACAGCGTGTTTACATATCCAGAAAATGGCACTGATGATTTTACA
GATCCAGCGAAGAACATAAACCACAGGGATCTCTTTCCAAGACCCATTACAGATGAACACCTATGTT
GCCTTGTACAAATTTGTACCACAGGAGAATGAAGATTTGAAATGAGGCCAGGAGACATAATTAATCTT
TTAGAGGATCCAATGAAGACTGGTGGAAAGGGAAAATTAAGACAGAATTGGCTCTTTCCAGCCAAC
TTTGTTCAGAGACTACAACAAAATGAGAAGATTTTAGATGTGTTAGAACCTTCATTGGGTGAAGGAA
CAGGGGCAGATAAAGCTGAAAGAGAATCAGATCTGCGTGAGTTCTGAAGAAGAACAAGATGGTTTTATC
AGAGTCCCTCAGTGAAAAAAGAAAGGCCTCATCCCCCTTGATGTACTAGAAAACATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001292049
Insert Size:	1026 bp



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<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>	<u><a href="#">NM_001292049.1</a></u>
<b>RefSeq Size:</b>	2915 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	6769
<b>Cytogenetics:</b>	3p22.3-p22.2
<b>MW:</b>	37.7 kDa
<b>Gene Summary:</b>	<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 (2) lacks two coding exons compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.</p>