OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC209469

Stac (NM_016853) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stac (NM_016853) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stac
Synonyms:	MGC130287; MGC130288
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC209469 representing NM_016853
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTCCTCCAAGTGGCGCCCGCGAGGACAGCGGAGACGGACTGACCGGGGAGGCAACGGGCACAGAGC
AGCCGCCCTCTCCTGCGTCCACCAGCAGCCTGGAATCCAAGCTCCAGAAACTAAAACGGTCACTTTCTTT
CAAGACCAAGAGCTTGCGGAGCAAAAGTGCTGACAACTTCTTCCCAAGAACCAACAGTGATGTGAAACCG
CAAGCAGACCTGCTGGCCAAGGCCAGCCCAGGCCCCAGCCCAATAGCCATCCCTGGAAGCCCAGCGTCCA
TGCCCACCAAGGCTGGCCTGCACCCCGGCAGCAACAGCAAGCTCCACGCCTTTCAGGAGCATGTCTTTAA
GAAGCCCACCTTCTGTGATGTCTGCAACCACATGATCGTGGGAACACATGCTAAGCACGGACTGCGCTGC
GGAGCCTGTAAGATGAGCATCCACCACAAGTGTGCAGATGGCCTGGCGCCCCAGCGGTGCATGGGCAAGT
TGCCAAAGGGATTTCGGCGTTACTACAGCTCCCCCTTGCTCATTCACGAACAGTTTGGATGCATTAAAGA
AGTTATGCCCATTGCGTGTGGCAATAAAGTGGACCCCGTGTATGAGGCCCTCCGGTTCGGCACGTCCCTG
GCCCAGAGAACGAAGAAGGGCGGCTCAGGCAGTGGTTCTGACTCACCGCCCAGAACCTCGACTTCAGAGC
TTGTAGACGTCCCTGAAGAGGCCGATGGGCCAGGAGATGGATCTGACATGAGGACACGGAGCAACAGTGT
GTTTACATATCCAGAAAACGGTATGGATGACTTCAGAGATCAAATGAAGACCACAAACCACCAGGGACCT
CTTTCCAAAGACCCATTACAGATGAACACCTACGTTGCCTTGTACAGATTTATACCACAGGAGAATGAAG
ACTTGGAAATGAGGCCAGGAGACATGATCACTCTCCTAGAAGACTCCAATGAAGACTGGTGGAAAGGAAA
GATTCAGGACAGGGTTGGTTTCTTTCCAGCCAACTTTGTTCAGAGAGTAGAAGAGCATGAGAAGATTTAT
AGGTGTGTTCGAACCTTCATTGGCTGCAAGGACCAGGGGCAGATAACACTGAAAGAGAACCAGATATGCG
TGACCTCTGAGGAAGAACAGGACGGCTTCATCAGAGTCCTCAGTGGGAAGAAGAGAGGCCTCGTCCCACT
GGATGTACTGGTAGACGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Chromatograms:	https://cdn.origene.com/chromatograms/ja2533_e05.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_016853
Insert Size:	1212 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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:	BC107325, AAI07326
RefSeq Size:	2515 bp
RefSeq ORF:	1212 bp
Locus ID:	20840
UniProt ID:	P97306
Cytogenetics:	9 61.81 cM
Gene Summary:	Promotes expression of the ion channel CACNA1H at the cell membrane, and thereby contributes to the regulation of channel activity (PubMed:27149520). 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 (PubMed:29467163). Slows the rate of calcium-mediated inactivation of CACNA1C calcium channel activity (PubMed:29363593).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).