

Product datasheet for **RG237449**

STAC3 (NM_001286256) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAC3 (NM_001286256) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STAC3
Synonyms:	MYPBB; NAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237449 representing NM_001286256. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAAC TCCCCAGAGCCCCAGGCCAATGGGGAGGCAGTGGGAGCTGGGGTGGGCCCATCTACTAC
ATCTATGAGGAAGAGGAAGAGGAAGAAGAGGAGGAGGAGGCCACCCCAAGCTCCTAAGCTGGTC
AACGATAAGCCCCACAAATTC AAAGATCACTTCTTCAAGAAGCCAAAGTTCTGTGATGTCTGTGCCCGG
ATGATTGTTCTCAACAACAAGTTTGGGCTTCGCTGTAAGAAGTCAAAACCAACATCCATGAACACTGT
CAGTCCTATGTGAAATGCAGAGATGCTTCGGCAAGATCCACCTGGTTCCATCGGGCCTATAGTTCC
CCACTCTACAGCAACCAGCAGTACGCTTGTGCAAGATCTCTGCTGCCAATCGCAATGATCCTGTG
TTTGAAACCTGCGCACTGGGGTATCATGGCAAACAAGGAACGGAAGAAGGGACAGGCAGATAAGAAA
AATCCTGTAGCAGCCATGATGGAGGAGGAGCCAGAGTCGGCCAGACCAGAGGAAGGCAAACCCAGGAT
GGAAACCTGAAGGGGATAAGAAGGCTGAGAAGAAGACACCTGATGACAAGCACAAGCAGCCTGGTTC
CAGCAGTCTCATTACTTTGTGGCTCTCTATCGGTTCAAAGCCCTGGAGAAGGACGATCTGGATTTCCCG
CCAGGAGAGAAGATCACAGTCATTGATGACTCCAATGAAGATGGTGGCGGGGAAAAATCGGGGAGAAG
GTCGGATTTTCCCTCAAACCTCATCATTCCGGTCCGGGCTGGAGAACGTGTGCACCGCGTGACGAGA
TCCTTCGTGGGAACCGCGAGATAGGGCAGATCACTCTCAAGAAGGACCAGATCGTGGTGCAGAAAGGA
GACGAAGCGGGCGGCTACGTCAAGGTCTACACCGCCCAAGGTGGGGCTGTTTCCACCGACTTCTA
GAGGAAATT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237449
 Blue=ORF Red=Cloning site Green=Tag(s)

MELPPEPQANGEAVGAGGGPIYYIYEEEEEEEEEEEEPPPEPPKLVNDKPHKFKDHF FKKPKFCDCAR
 MIVLNNKFGLRCKNCKNIHEHCQSYVEMQRCFGKIPPGFHRAYSPLYSNQYACVKDL SAANRNDPV
 FETLRTGVIMANKERKKGQADKKNPVAAMMEEEPE SARPEEGKPDGNPEGDKKAEKKT PDDKHKQPGF
 QQSHYFVALYRFKALEKDDLD FPPGEKITVIDDSNEEWRGKIGEKVGFPPNF IIRVRAGERVHRVTR
 SFVGNREIGQITLKKDQIVVQKGD EAGGYVKVYTG RKVGLFPTDFLEEI
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDG SFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286256

ORF Size: 975 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001286256.2](#)

RefSeq Size: 1601 bp

RefSeq ORF: 978 bp

Locus ID: 246329

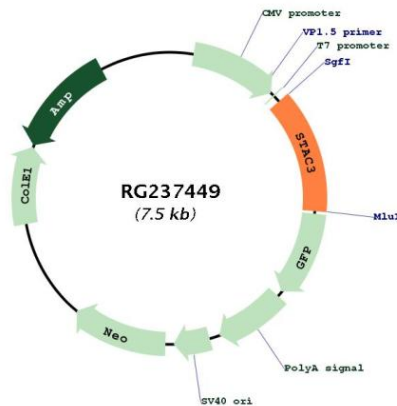
UniProt ID: [Q96MF2](#)

Cytogenetics: 12q13.3

MW: 37.6 kDa

Gene Summary: The protein encoded by this gene is a component of the excitation-contraction coupling machinery of muscles. This protein is a member of the Stac gene family and contains an N-terminal cysteine-rich domain and two SH3 domains. Mutations in this gene are a cause of Native American myopathy. [provided by RefSeq, Nov 2013]

Product images:



Circular map for RG237449