

Product datasheet for RC236311

STAC3 (NM_001286257) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STAC3 (NM_001286257) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STAC3
Synonyms: MYPBB; NAM
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236311 representing NM_001286257
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAACAAGGAACGGAAGAAGGGACAGGCAGATAAGAAAAATCCTGTAGCAGCCATGATGGAGGAGG
AGCCAGAGTCGGCCAGACCAGAGGAAGGCAAACCCAGGATGAAACCCCTGAAGGGGATAAGAAGGCTGA
GAAGAAGACACCTGATGACAAGCACAAGCAGCCTGGCTCCAGCAGTCTCATTACTTTGTGGCTCTCTAT
CGGTTCAAAGCCCTGGAGAAGGACGATCTGGATTTCCCGCCAGGAGAGAAGATCACAGTCATTGATGACT
CCAATGAAGAATGGTGGCGGGGAAAATCGGGGAGAAGGTCGGATTTTTCCCTCCAACTTCATCATTCCG
GGTCCGGGCTGGAGAACGTGTGCACCGCGTGACGAGATCCTTCGTGGGAACCGCGAGATAGGGCAGATC
ACTCTCAAGAAGGACCAGATCGTGGTGCAGAAAGGAGACGAAGCGGGCGGCTACGTCAAGGTCTACACCG
GCCGAAGGTGGGGCTGTTTCCACCGACTTTCTAGAGGAAATT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236311 representing NM_001286257
Red=Cloning site Green=Tags(s)

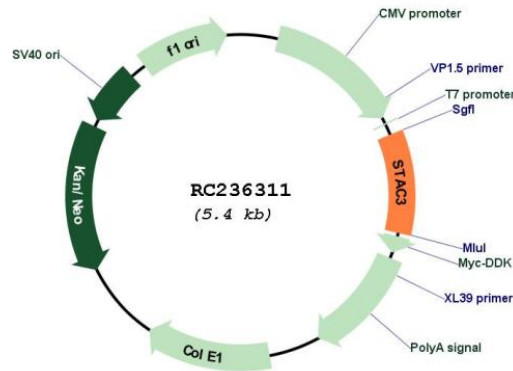
MANKERKKQADKKNPVAAMMEEEPESARPEEGKPDGNPEGDKKAEKKTTPDDKHKQPGFQQSHYFVALY
RFKALEKDDLDFPPGEKITVIDDSNEEWWRGKIGEKVGFPPNFIIIRVRAGERVHRVTRSFVGNREIGQI
TLKKDQIVVQKGEAGGYVKVYTRKRVGLFPTDFLEEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001286257

ORF Size: 534 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).
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:	NM_001286257.2
RefSeq Size:	1235 bp
RefSeq ORF:	537 bp
Locus ID:	246329
UniProt ID:	Q96MF2
Cytogenetics:	12q13.3
MW:	20.8 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]