

Product datasheet for **RC237449**

STAC3 (NM_001286256) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | STAC3 (NM_001286256) 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: | >RC237449 representing NM_001286256 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACTCCCCAGAGCCCCAGGCCAATGGGGAGGCAGTGGGAGCTGGGGTGGGCCATCTACTACA
TCTATGAGGAAGAGGAAGAGGAAGAAGAGGAGGAGGAGGCCACCCCAAGACCTCCTAAGCTGGTCAA
CGATAAGCCCCACAAATCAAAGATCACTTCTCAAGAAGCCAAAGTTCTGTGATGTCTGTGCCCGGATG
ATTGTTCTCAACAACAAGTTTGGGCTTCGCTGTAAGAAGTCAAAACCAACATCCATGAACACTGTCACT
CCTATGTGAAATGCAGAGATGCTTCGGCAAGATCCCACCTGGTTTCCATCGGGCCTATAGTTCCCACT
CTACAGCAACCAGCAGTACGCTTGTGTCAAAGATCTCTGCTGCCAATCGCAATGATCCTGTGTTTAA
ACCCTGCGCACTGGGGTATCATGGCAACAAGGAACGGAAGAAGGGACAGGCAGATAAGAAAAATCCTG
TAGCAGCCATGATGGAGGAGGAGCCAGAGTCCGCCAGACCAGAGGAAGGCAACCCAGGATGGAACCC
TGAAGGGGATAAGAAGGCTGAGAAGAAGACACCTGATGACAAGCACAAGCAGCCTGGCTTCCAGCAGTCT
CATTACTTTGTGGCTCTCTATCGGTTCAAAGCCCTGGAGAAGGACGATCTGGATTTCCGCCAGGAGAGA
AGATCACAGTCAATTGATGACTCCAATGAAGAATGGTGGCGGGGAAAATCGGGGAGAAGGTCGGATTTTT
CCCTCAAACCTCATCATTCCGGTCCGGGCTGGAGAACGTGTGCACCGCTGACGAGATCCTTCGTGGGG
AACCGCGAGATAGGCAGATCACTCTCAAGAAGGACCAGATCGTGGTGCAGAAAGGAGACGAAGCGGGCG
GCTACGTCAAAGTCTACACCGCCGCAAGGTGGGGCTGTTCCACCGACTTTCTAGAGGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237449 representing NM_001286256
Red=Cloning site Green=Tags(s)

MELPPEPQANGEAVGAGGGPIYYIYEAAAAAAAAAAAAEPPPEPPKLVNDKPHKFKDHF FKKPKFCDCVARM
 IVLNNKFGLRCKNCKTNIHEHCQSYVEMQRFCGKIPPGFHRAYSSPLYSNQYACVKDL SAANRNDPVFE
 TLRTGVIMANKERKKGQADKKNPVAAMMEEEPESARPEEGKPQDGNPEGDKKAEEKTPDDKHKQPGFQQS
 HYFVALYRFKALEKDDLDFPPGEKITVIDDSNEEWWRGKIGEKVGFPPNFIIRVRAGERVHRVTRSFVG
 NREIGQITLKKDQIVVQKGDEAGGYVYVYTRKRVGLFPTDFLEEI

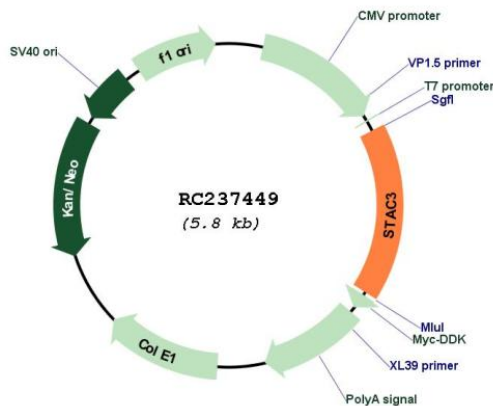
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286256

ORF Size: 975 bp

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| 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_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] |