

Product datasheet for SC335343

STAC3 (NM_001286256) Human Untagged Clone

Product data:

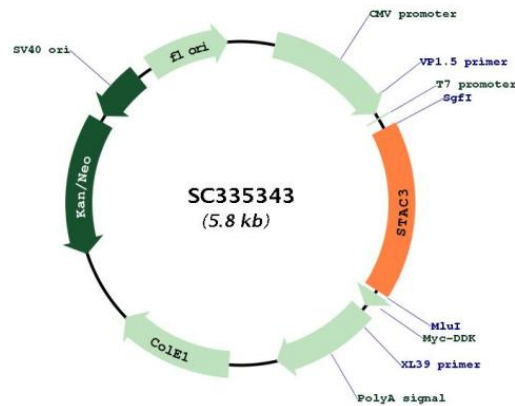
Product Type:	Expression Plasmids
Product Name:	STAC3 (NM_001286256) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAC3
Synonyms:	MYPBB; NAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335343 representing NM_001286256. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAACTTCCCCAGAGCCCCAGGCCAATGGGGAGGCAGTGGGAGCTGGGGGTGGGCCCATCTACTAC
ATCTATGAGGAAGAGGAAGGAAGAAGAGGAGGAGGAGGCCACCCCCAGAACCTCCTAAGCTGGTC
AACGATAAGCCCCACAAATTC AAAGATCACTTCTTCAAGAAGCCAAAGTTCTGTGATGTCTGTGCCCGG
ATGATTGTTCTCAACAACAAGTTTGGGCTTCGCTGTAAGAAGTGC AAAACCAACATCCATGAACACTGT
CAGTCCTATGTGAAATGCAGAGATGCTTCGGCAAGATCCACCTGGTTCCATCGGGCCTATAGTTCC
CCACTCTACAGCAACCAGCAGTACGCTTGTGTCAAAGATCTCTCTGCTGCCAATCGCAATGATCCTGTG
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AATCCTGTAGCAGCCATGATGGAGGAGGAGCCAGAGTCCGCCAGACCAGAGGAAGGCAAACCCAGGAT
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CAGCAGTCTCATTACTTTGTGGCTCTCTATCGGTTCAAAGCCCTGGAGAAGGACGATCTGGATTTCCCG
CCAGGAGAGAAGATCACAGTCATTGATGACTCCAATGAAGAAATGGTGGCGGGGAAAAATCGGGGAGAAG
GTCGGATTTTCCCTCCAAACTTCATCATTCCGGTCCGGGCTGGAGAACGTGTGCACCGCGTGACGAGA
TCCTTCGTGGGAACCGCGAGATAGGGCAGATCACTCTCAAGAAGGACCAGATCGTGGTGCAGAAAGGA
GACGAAGCGGGCGGCTACGTCAAGGTCTACACCGCCCAAGGTGGGGCTGTTTCCACCGACTTTCTA
GAGGAAATTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001286256

Insert Size: 978 bp

OTI Disclaimer: 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).

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: [NM_001286256.1](#)

RefSeq Size: 1601 bp

RefSeq ORF: 978 bp

Locus ID: 246329

UniProt ID: [Q96MF2](#)

Cytogenetics: 12q13.3

MW: 37.1 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]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus than isoform a.