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Product datasheet for RG224341

STAC3 (NM_145064) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAC3 (NM_145064) 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:

>RG224341 representing NM_145064
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGAAAAGGAGGTGCTGGAGTCCCCTAAGCCCTCCTTCCCAGCAGAGACTCGGCAAAGTGGGCTAC
AGCGGCTAAAGCAGTTACTCAGGAAGGGTTCTACAGGGACAAAGGAGATGGAACTTCCCCCAGAGCCCCA
GGCCAATGGGGAGGCAGTGGGAGCTGGGGGTGGGCCCATCTACTACATCTATGAGGAAGAGGAAGAGGAA
GAAGAGGAGGAGGAGGAGCCACCCCCAGAACCTCCTAAGCTGGTCAACGATAAGCCCCACAAATTCAAAG
ATCACTTCTTCAAGAAGCCAAAGTTCTGTGATGTCTGTGCCCGGATGATTGTTCTCAACAACAAGTTTGG
GCTTCGCTGTAAGAACTGCAAAACCAACATCCATGAACACTGTCAGTCCTATGTGGAAATGCAGAGATGC
TTCGGCAAGATCCCACCTGGTTTCCATCGGGCCTATAGTTCCCCACTCTACAGCAACCAGCAGTACGCTT
GTGTCAAAGATCTCTCTGCTGCCAATCGCAATGATCCTGTGTTTGAAACCCTGCGCACTGGGGTGATCAT
GGCAAACAAGGAACGGAAGAAGGGACAGGCAGATAAGAAAAATCCTGTAGCAGCCATGATGGAGGAGGAG
CCAGAGTCGGCCAGACCAGAGGAAGGCAAACCCCAGGATGGAAACCCTGAAGGGGATAAGAAGGCTGAGA
AGAAGACACCTGATGACAAGCACAAGCAGCCTGGCTTCCAGCAGTCTCATTACTTTGTGGCTCTCTATCG
GTTCAAAGCCCTGGAGAAGGACGATCTGGATTTCCCGCCAGGAGAGAAGATCACAGTCATTGATGACTCC
AATGAAGAATGGTGGCGGGGGAAAATCGGGGAGAAGGTCGGATTTTTCCCTCCAAACTTCATCATTCGGG
TCCGGGCTGGAGAACGTGTGCACCGCGTGACGAGATCCTTCGTGGGGAACCGCGAGATAGGGCAGATCAC
TCTCAAGAAGGACCAGATCGTGGTGCAGAAAGGAGACGAAGCGGGCGGCTACGTCAAGGTCTACACCGGC
CGCAAGGTGGGGCTGTTTCCCACCGACTTTCTAGAGGAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

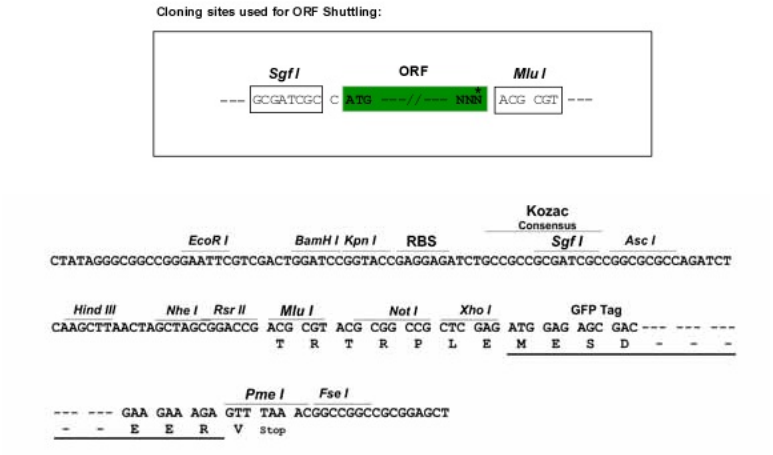
>RG224341 representing NM_145064
Red=Cloning site Green=Tags(s)

MTEKEVLESPKPSFPAETRQSGLQRLKQLLRKGSTGTKEMELPPEPQANGEAVGAGGGPIYYIYEEEEEE
EEEEEEPPPEPPKLVNDKPHKFKDHFFKKPKFCDVCARMIVLNNKFGLRCKNCKTNIHEHCQSYVEMQRC
FGKIPPGFHRAYSSPLYSNQQYACVKDLSAANRNDPVFETLRTGVIMANKERKKGQADKKNPVAAMMEEE
PESARPEEGKPQDGNPEGDKKAEKKTPDDKHKQPGFQQSHYFVALYRFKALEKDDLDFPPGEKITVIDDS
NEEWWRGKIGEKVGFFPPNFIIRVRAGERVHRVTRSFVGNREIGQITLKKDQIVVQKGDEAGGYVKVYTG
RKVGLFPTDFLEEI

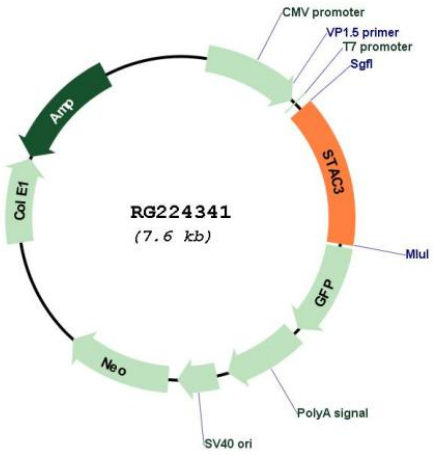
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145064

ORF Size:	1092 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:	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_145064.3
RefSeq Size:	1643 bp
RefSeq ORF:	1095 bp
Locus ID:	246329
UniProt ID:	Q96MF2
Cytogenetics:	12q13.3
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]