

## Product datasheet for **RG236311**

### STAC3 (NM\_001286257) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STAC3 (NM\_001286257) 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:** >RG236311 representing NM\_001286257.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAAACAAGGAACGGAAGAAGGGACAGGCAGATAAGAAAAATCCTGTAGCAGCCATGATGGAGGAG
GAGCCAGAGTCGGCCAGACCAGAGGAAGGCAAACCCAGGATGGAAACCTGAAGGGGATAAGAAGGCT
GAGAAGAAGACACCTGATGACAAGCACAAGCAGCCTGGCTTCCAGCAGTCTCATTACTTTGTGGCTCTC
TATCGGTTCAAAGCCCTGGAGAAGGACGATCTGGATTTCCGCCAGGAGAGAAGATCACAGTCATTGAT
GACTCCAATGAAGAATGGTGGCGGGGAAAATCGGGGAGAAGGTCGGATTTTCCCTCAAACCTTCATC
ATTCGGGTCCGGGCTGGAGAACGTGTGCACCGCTGACGAGATCCTTCGTGGGAACCGCGAGATAGGG
CAGATCACTCTAAGAAGGACCAGATCGTGGTGCAGAAAGGAGACGAAGCGGGCGGCTACGTC AAGGTC
TACACCGCCGCAAGGTGGGGCTGTTTCCACCGACTTTCTAGAGGAAATT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236311  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MANKERKKQADKKNPVAAMEEEEPE SARPEEGKPQDGNPEGDKKAEKTPDDKHKQPGFQQSHYFVAL
YRFKALEKDDLDFPPGEKITVIDDSNEEWRGKIGEVGFPPNFII RVRAGERVHRVTRSFVGNREIG
QITLKKDQIVVQKGDEAGGYVYVYTRGRKVLFPDTDFLEEI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVD SHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI

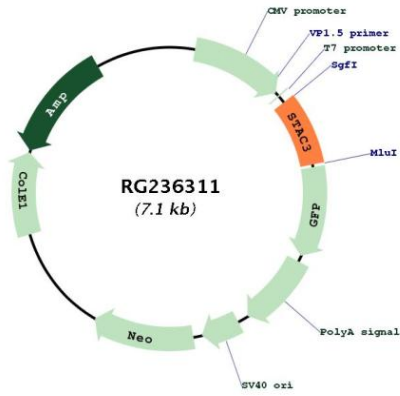


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**Cloning Scheme:**


- 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).
- 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]

Product images:



Circular map for RG236311