

Product datasheet for **RG238083**

TUBA6 (TUBA1C) (NM_001303116) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUBA6 (TUBA1C) (NM_001303116) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TUBA6
Synonyms:	bcm948; TUBA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238083 representing NM_001303116. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAAGTGACAAGACCATTGGGGGAGGAGATGATTCCCTTAACACCTTCTTCAGTGAAACGGGTGCT
GGCAAGCATGTGCCCGGGCAGTGTGGTAGACTTGGAAACCCACAGTCATTGATGAAGTTCGCACTGGC
ACTTACCGCCAGCTCTCCACCCTGAGCAACTCATCACAGGCAAGGAAGATGCTGCCAATAACTATGCC
CGAGGGCACTACACCATTGGCAAGGAGATCATTGACCTCGTGTGGACCGAATTCGCAAGCTGGCTGAC
CAGTGCACCGGTCTTCAGGGCTTCTGGTTTTCCACAGCTTTGGTGGGGAACTGGTCTGGGTTACC
TCGCTGCTCATGGAACGTCTCTCAGTTGATTATGGCAAGAAGTCCAAGCTGGAGTTCTCCATTTACCCG
GGCCCCAGGTTTCCACAGCTGTAGTTGAGCCCTACAACCTCCATCCTCACCACCCACACCACCTGGAG
CACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTATGACATCTGTCTGAGAAAACCTCGATATC
GAGCGCCCAACCTACACTAACCTTAACCGCCTTATTAGCCAGATTGTGTCTCCATCACTGCTTCCCTG
AGATTTGATGGAGCCCTGAATGTTGACCTGACAGAATTCAGACCAACCTGGTGCCTACCCCGCATC
CACTTCCCTCTGGCCACATATGCCCTGTCTCTGCTGAGAAAGCCTACCACGAACAGCTTACTGTA
GCAGAGATCACC AATGCTTGCTTTGAGCCAGCCAACCAGATGGTGAATGTGACCTCGCCATGGTAAA
TACATGGCTTGTGCCTGTTATACCGTGGTGACGTGGTTCCCAAAGATGCAATGCTGCCATTGCCACC
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CAGCCTCCCACTGTGGTGCCTGGCGGAGACCTGGCCAAGGTACAGAGAGCTGTGTGCATGCTGAGCAAT
ACCACAGCTGTTGCCGAGGCCTGGGCTCGCCTGGACCACAAGTTTACCTGATGTATGCCAAGCGTGCC
TTTGTACTGTTACGTGGGTGAGGGGATGGAGGAAGGCGAGTTTTTCAGAGGCCCGTGAGGACATGGCT
GCCCTTGAGAAGGATTATGAGGAGGTTGGAGCAGATAGTGTGACGGAGAGGATGAGGGTGAAGAGTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238083
 Blue=ORF Red=Cloning site Green=Tag(s)

MPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFVDLEPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYA
 RGHYTIGKEIIDLVLDRIKRLADQCTGLQGFLVFHSFGGTGSGFTSLLMERLSVDYGKKSKLEFSIYP
 APQVSTAVVEPYNSILTTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYTNLNLRLISQIVSSITASL
 RFDGALNVDLTEFQTNLVPYPRIHFLATYAPVISAELKAYHEQLTVAEITNACFEPANQMVKCDPRHGK
 YMACCLLYRGDVVPKDVNAAIATIKTKRTIQFVDWCPTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSN
 TTAVAEAWARLDHKFDLMYAKRAVHVHVVYVGEEMEEGEFSEAREDMAALEKDYEEVGDADSADGEDEGEEY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001303116

ORF Size: 1242 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_001303116.2](#)

RefSeq Size: 1822 bp

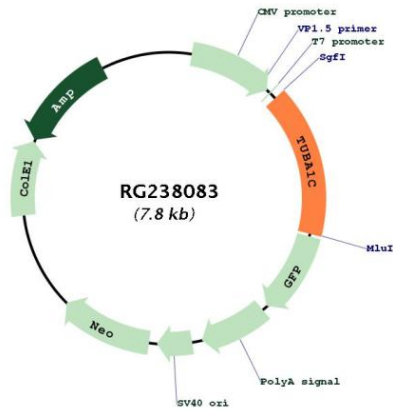
RefSeq ORF: 1245 bp
 Locus ID: 84790
 Cytogenetics: 12q13.12

Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

MW: 46.5 kDa

Gene Summary: Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG238083