

Product datasheet for **RG203274**

TUBA6 (TUBA1C) (NM_032704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUBA6 (TUBA1C) (NM_032704) 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)



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ORF Nucleotide Sequence:

>RG203274 representing NM_032704
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCGTGAGTGCATCTCCATCCACGTTGGCCAGGCTGGTGTCCAGATTGGCAATGCCTGCTGGGAGCTCT
 ACTGCCTGGAACACGGCATCCAGCCGATGGCCAGATGCCAAGTGACAAGACCATTGGGGGAGGAGATGA
 TTCCTTCAACACCTTCTTCAGTGAAACGGGTGCTGGCAAGCATGTGCCCCGGGCAGTGTTGTAGACTTG
 GAACCCACAGTCATTGATGAAGTTCGCACTGGCACTTACCGCCAGCTCTCCACCCTGAGCAACTCATCA
 CAGGCAAGGAAGATGCTGCCAATAACTATGCCGAGGGCACTACACCATTGGCAAGGAGATCATTGACCT
 CGTGTGGACCGAATTCGCAAGCTGGCTGACCACTGCACCGGTCTTCAGGGCTTCTTGGTTTCCACAGC
 TTTGGTGGGGAACTGGTCTGGGTTCACCTCGCTGCTCATGGAACGCTCTCAGTTGATTATGGCAAGA
 AGTCCAAGCTGGAGTTCTCCATTTACCCGGCGCCCGAGTTTCCACAGCTGTAGTTGAGCCCTACAACCTC
 CATCCTCACCACCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT
 GACATCTGTCGTAGAAACCTCGATATCGAGCGCCCAACCTACACTAACCTTAACCGCCTTATTAGCCAGA
 TTGTGTCTCCATCACTGCTTCCCTGAGATTTGATGGAGCCCTGAATGTTGACCTGACAGAATTCAGAC
 CAACCTGGTGGCTACCCCGCATCCACTTCCCTCTGGCCACATATGCCCTGTCTCTGCTGAGAAA
 GCCTACCATGAACAGCTTACTGTAGCAGAGATCAACATGCTTGTGCTTGGAGCCAGCAACCAGATGGTGA
 AATGTGACCTCGCCATGGTAAATACATGGCTTGTGCTGTTATACCGTGGTGACGTGGTTCCTCAAGA
 TGTCATGCTGCCATTGCCACCATCAAAACCAAGCGTACCATCCAGTTTGTGGATTGGTGCCCACTGGC
 TTCAAGTTGGCATTAAATACCAGCCTCCCACTGTGGTGCCTGGCGGAGACCTGGCAAGGTACAGAGAG
 CTGTGTGCATGCTGAGCAATACCACAGCTGTTGCCGAGGCTGGGCTCGCCTGGACCACAAGTTTGACCT
 GATGTATGCCAAGCGTGCCTTTGTTCACTGGTACGTGGGTGAGGGGATGGAGGAAGGCGAGTTTTTCAGAG
 GCCCGTGAGGACATGGCTGCCCTTGAGAAGGATTATGAGGAGGTTGGAGCAGATAGTGCTGACGGAGAGG
 ATGAGGGTGAAGAGTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203274 representing NM_032704
 Red=Cloning site Green=Tags(s)

MRECISIHVQAGVQIGNACWEL YCLEHGIQPDGQMPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFVDL
 EPTVIDEVRTGTyrQLFHPEQLITGKEDAANNYARGHYTIGKEIIDLVLDRIKRLADQCTGLQGFLVFHS
 FGGGTGSGFTSLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYNSILTHTTLEHSDCAFMDNEAIY
 DICRRNLDIRPTYTNLNLISQIVSSITASLRFDGALNVDL TEFQTNLVPYPRIFPLATYAPVISA EK
 AYHEQLTVAEITNACFEPANQMVKCDPRHGKYMCCLLYRGDVVPKDVNAAIATIKTKRTIQFVDWCPTG
 FKVGINYQPPTVVPGGDLAKVQRAVCMLSNNTAVAEAWARLDHKFDLMYAKRAVFWHYVVGEGMEEGEFSE
 AREDMAALEKDYEEVGADSADGEDEGE EY

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_032704

ORF Size: 1347 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032704.3](#)

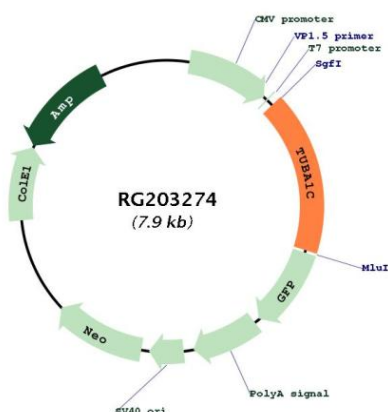
RefSeq Size: 1582 bp

RefSeq ORF: 1350 bp

Locus ID: 84790

UniProt ID:	<u>Q9BQE3</u>
Cytogenetics:	12q13.12
Domains:	tubulin
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection
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 RG203274