

## Product datasheet for **RG238082**

### **TUBA6 (TUBA1C) (NM\_001303115) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TUBA6 (TUBA1C) (NM_001303115) 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:	>RG238082 representing NM_001303115. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCCAAGTGACAAGACCATTGGGGGAGGAGATGATTCCCTTAACACCTTCTTCAGTGAAACGGGTGCT
GGCAAGCATGTGCCCGGGCAGTGTTTGTAGACTTGGAACCCACAGTCATTGATGAAGTTCGCACTGGC
ACTTACC GCCAGCTCTTCCACCCTGAGCAACTCATCACAGGCAAGGAAGATGCTGCCAATAACTATGCC
CGAGGGCACTACACCATTGGCAAGGAGATCATTGACCTCGTGTGGACCGAATTCGCAAGCTGGCTGAC
CAGTGCACCGGTCTTCAGGGCTTCTGGTTTTCCACAGCTTTGGTGGGGAACTGGTCTGGGTTACC
TCGCTGCTCATGGAACGTCTCTCAGTTGATTATGGCAAGAAGTCCAAGCTGGAGTTCTCCATTTACCCG
GGCCCCAGGTTTCCACAGCTGTAGTTGAGCCCTACAACCTCCATCCTCACCACCCACACCACCTGGAG
CACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTATGACATCTGTCTGAGAAAACCTCGATATC
GAGCGCCCAACCTACACTAACCTTAACCGCCTTATTAGCCAGATTGTGTCTCCATCACTGCTTCCCTG
AGATTTGATGGAGCCCTGAATGTTGACCTGACAGAATTCAGACCAACCTGGTGCCTACCCCGCATC
CACTTCCCTCTGGCCACATATGCCCTGTATCTCTGCTGAGAAAAGCCTACCACGAACAGCTTACTGTA
GCAGAGATCACCAATGCTTGCTTTGAGCCAGCCAACCAGATGGTGAATGTGACCCTCGCCATGGTAAA
TACATGGCTTGTGCCTGTTATACCGTGGTGACGTGGTTCCCAAAGATGCAATGCTGCCATTGCCACC
ATCAAAACCAAGCGTACCATCCAGTTTGTGGATTGGTGCCCACTGGCTTCAAGTTGGCATTAAATTAC
CAGCCTCCCACTGTGGTGCCTGGCGGAGACCTGGCCAAGGTACAGAGAGCTGTGTGCATGCTGAGCAAT
ACCACAGCTGTTGCCGAGGCCTGGGCTCGCCTGGACCACAAGTTTGACCTGATGTATGCCAAGCGTGCC
TTTGTTCACTGGTACGTGGGTGAGGGGATGGAGGAAGGCGAGTTTTTCAGAGGCCCGTGAGGACATGGCT
GCCCTTGAGAAGGATTATGAGGAGGTTGGAGCAGATAGTGCTGACGGAGAGGATGAGGGTGAAGAGTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG238082  
 Blue=ORF Red=Cloning site Green=Tag(s)

MPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFDLEPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYA  
 RGHYTIGKEIIDLVLDRIKRLADQCTGLQGFLVFHSFGGTGSGFTSLLMERLSVDYGKKSKLEFSIYP  
 APQVSTAVVEPYNISILTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYTNLNLRLISQIVSSITASL  
 RFDGALNVDLTEFQTNLVPYPRIHFLATYAPVISAELKAYHEQLTVAEITNACFEPANQMVKCDPRHGK  
 YMACCLLYRGDVVPKDVNAAIATIKTKRTIQFVDWCPTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSN  
 TTAVAEAWARLDHKFDLKYAKRAVHVYVGEEMEEGEFSEAREDMAALEKDYEEVGDADSADGEDEGEEY  
 TRTRPLEMESDESLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001303115

**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\\_001303115.2](#)

**RefSeq Size:** 1940 bp

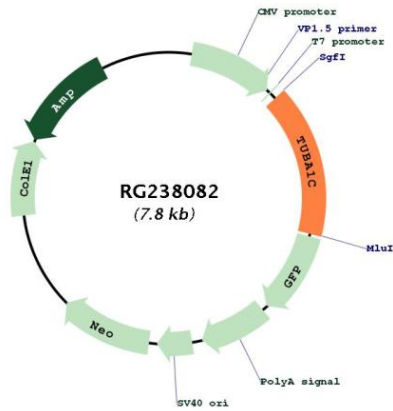
RefSeq ORF: 1245 bp  
 Locus ID: 84790  
 Cytogenetics: 12q13.12

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 RG238082