

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:	TUBA1C
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)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAAGTGACAAGACCATTGGGGGAGGAGATGATTTCCTTAACACCTTCTTCAGTGAAACGGGTGCT
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TCGCTGCTCATGGAACGTCTCTCAGTTGATTATGGCAAGAAGTCCAAGCTGGAGTTCTCCATTTACCCG
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TTTGTACTGTTACGTGGGTGAGGGGATGGAGGAAGGCGAGTTTTCAGAGGCCCGTGAGGACATGGCT
GCCCTTGAGAAGGATTATGAGGAGGTTGGAGCAGATAGTGCTGACGGAGAGGATGAGGGTGAAGAGTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238082
 Blue=ORF Red=Cloning site Green=Tag(s)

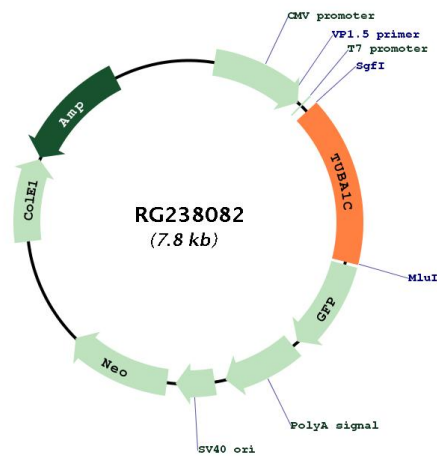
MPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFDLEPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYA
 RGHYTIGKEIIDLVLDRIKRLADQCTGLQGFLVFHSFGGTGSGFTSLLMERLSVDYGKSKLEFSIYP
 APQVSTAVVEPYNSILTTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYTNLNLISQIVSSITASL
 RFDGALNVDLTEFQTNLVPYPRIHFLATYAPVISA EKAYHEQLTVAEITNACFEPANQMVKCDPRHGK
 YMACLLLYRGDVVPKDVNAIATIKTKRTIQFVDCPTGFKVGINYQPPTVVPGDLAKVQRVAVCMLSN
 TTAVA EAWARLDHKFDL MYAKRAVHVHYVGE GMEEGEFSEAREDMAALEKDYEEVGADSDAGEDEGEEY
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 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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]