

## Product datasheet for **RC238082**

### **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:** Myc-DDK  
**Symbol:** TUBA1C  
**Synonyms:** bcm948; TUBA6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC238082 representing NM\_001303115  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCAAGTGACAAGACCATTGGGGGAGGAGATGATTCTTCAACACCTTCTTCAGTGAAACGGGTGCTG  
GCAAGCATGTGCCCCGGCAGTGTGGTAGACTTGGAAACCCACAGTCATTGATGAAGTTCGCACTGGCAC  
TTACCGCCAGCTCTCCACCCTGAGCAACTCATCACAGCAAGGAAGATGCTGCCAATAACTATGCCCGA  
GGGCACTACACCATTGGCAAGGAGATCATTGACCTCGTGTGGACCGAATTCGCAAGCTGGCTGACCACT  
GCACCGGTCTTCAGGGCTTCTTGGTTTTCCACAGCTTTGGTGGGGAACTGGTTCTGGGTTACCTCGCT  
GCTCATGGAACGTCTCTCAGTTGATTATGGCAAGAAGTCCAAGCTGGAGTTCTCCATTTACCCGGCGCCC  
CAGGTTTCCACAGCTGTAGTTGAGCCCTACAACCTCCATCCTCACCACCCACACCACCTGGAGCACTCTG  
ATTGTGCCTTCATGGTAGACAATGAGGCCATCTATGACATCTGTCTGATAGAAACCTCGATATCGAGCGCCC  
AACCTACACTAACCTTAACCGCCTTATTAGCCAGATTGTGTCTCCATCACTGCTTCCCTGAGATTTGAT  
GGAGCCCTGAATGTTGACCTGACAGAATCCAGACCAACCTGGTGCCTACCCCGCATCCACTTCCCTC  
TGGCCACATATGCCCTGTCATCTGCTGAGAAAGCTACCACGAACAGCTTACTGTAGCAGAGATCAC  
CAATGCTTGTCTTTGAGCCAGCCAACAGATGGTGAAATGTGACCTCGCCATGGTAAATACATGGCTTGC  
TGCTGTATACCGTGGTACGTGGTTCCTCAAAGATGTCAATGCTGCCATTGCCACCATAAAACCAAGC  
GTACCATCCAGTTTGTGGATTGGTGCCCACTGGCTTCAAGGTTGGCATTAAATTACCAGCCTCCCACTGT  
GGTGCCTGGCGGAGACCTGGCCAAGGTACAGAGAGCTGTGTGCATGCTGAGCAATACCACAGCTGTTGCC  
GAGGCCTGGGCTCGCCTGGACCACAAGTTTACCTGATGTATGCCAAGCGTGCCTTTGTTCACTGGTACG  
TGGGTGAGGGGATGGAGGAAGCGAGTTTTAGAGGCCCGTGAGGACATGGCTGCCCTTGAGAAGGATTA  
TGAGGAGTTGGAGCAGATAGTCTGACGGAGAGGATGAGGGTGAAGAGTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC238082 representing NM\_001303115  
Red=Cloning site Green=Tags(s)

MPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFDVLEPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYAR  
 GHYITIGKEIIDLVLDRIKRLADQCTGLQGFLVFHSFGGGTSGFTSLLMERLSVDYGGKSKLEFSIYPAP  
 QVSTAVVEPYNSILTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYNLNRLISQIVSSITASLRFD  
 GALNVDLTEFQTNLVYPRIHFPLATYAPVISAEKAYHEQLTVAEITNACFEPANQMVKCDPRHGKYMAL  
 CLLYRGDVVPKDVNAAIATIKTKRTIQFVDWCPTGFKVGINYQPPTVVPGGDLAKVQRVAVCMLSNTTAVA  
 EAWARLDHKFDLMYAKRAVHWYVYVGGEGEYSEAREDMAALEKDYEEVGADSADGEDEGEEY

TRTRPLEQKLISEEDLANDILDYKDDDDKV

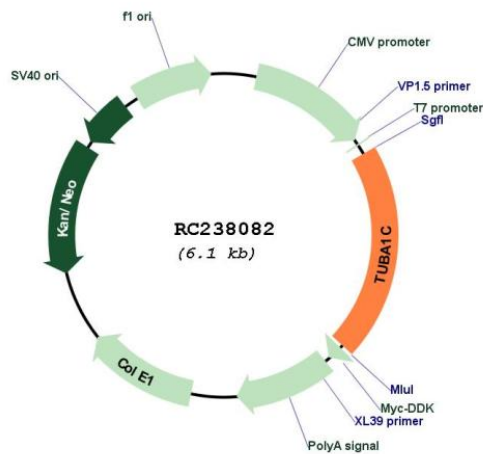
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001303115

<b>ORF Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001303115.2</a>
<b>RefSeq Size:</b>	1940 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	84790
<b>Cytogenetics:</b>	12q13.12
<b>Protein Pathways:</b>	Gap junction, Pathogenic Escherichia coli infection
<b>MW:</b>	46.5 kDa
<b>Gene Summary:</b>	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]