

Product datasheet for **RC230015**

TUBAL3 (NM_001171864) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TUBAL3 (NM_001171864) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TUBAL3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC230015 representing NM_001171864
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCAGCTGGAAAATGCAAAAATGGAGCACACAAATGCATCTTTCGATACCTTCTTCTGTGAGACAA
GAGCTGGGAAGCATGTGCCTAGAGCACTCTTCGTGGACTTGGAGCCAAGTGTATAGATGGGATCCGGAC
GGGCCAGCACCGTTCACCTTCCACCCCGAGCAGCTCCTTAGCGGAAAGGAGGATGCTGCTAACAAATTAC
GCGCGAGGCCGTTACTCTGTGGGTTCGGAGGTCATCGACCTTGTGCTGGAGAGGACCCGGAAGCTGGCAG
AACAGTGTGGTGGACTTCAGGGATTTTTGATTTCCGAAGCTTTGGAGGAGGCACTGGTTCAGGGTTTAC
GTCTCTCTTAATGGAGAGGCTCACAGGAGAATATAGCAGAAAGACTAAGCTGGAGTTCTCGGTCTACCCA
GCCCCAGGATCTCCACTGCTGTGGTAGAGCCTTATAACTCTGTCCTCACCACCCACTCCACCACAGAGC
ACACGGACTGTACCTTCATGGTGGACAACGAGGCCGTCTATGATATATGCCATCGTAAACTCGGTGTTGA
ATGCCCTCTCATGCCAGCATCAATAGATTGGTGGTTCAGGTGGTATCTCCATCACTGCCTCCCTCCGG
TTTGAAGGCCCTTGAATGTAGACCTAATTGAATCCAGACCAACCTGGTACCTTATCCGAGAATACATT
TCCCCATGACAGCCTTCCGCCCATCGTCTCTGCTGACAAAGCCTACCATGAGCAGTTCTCTGTGTCAGA
CATCAACTGCCTGCTTTGAGTCCCAACCAGCTGGTCAAGTGTGATCCTCGGCTTGGGAAGTACATG
GCCTGCTGCCTACTCTATAGAGGGGATGTGGTCCCAAGGAAGTGAATGCAGCAATCGCAGCCACGAAGT
CGAGGCACTCTGTTCAAGTTGTAGATTGGTGTCCAAGTGGTTCAAGGTGGGCATCAACAATCGGCCGCC
CACGGTATGCCGGTGGGGACCTGGCCAAAGTCCACCGTCCATCTGCATGCTGAGCAACACCACGGCG
ATTGTGGAGGCCCTGGGCCCGCTGGACCACAAGTTTGACCTCATGTACGCCAAGAGAGCATTCTGCACT
GGTACCTCAGAGAAGGCATGGAAGAAGCAGAGTCTTGGAGGCCAGGGAAGATCTGGCAGCCCTGGAGAG
GGACTATGAGGAAGTGGCCAAAAGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230015 representing NM_001171864
 Red=Cloning site Green=Tags(s)

MDQLENAKMEHTNASFDTFECETRAGKHVPRALFVDLEPTVIDGIRTGQHRSLFHPEQLLSGKEDAANNY
 ARGRYSVGSEVIDLVLERTRKLAEQCGGLQGFLIFRSFGGGTGSFGFTSLLMERLTGEYSRKTLEFSVYP
 APRISTAVVEPYNSVLTTSTTEHTDCTFMVDNEAVYDICHKRLGVECPHASINRLVVQVSSITASLR
 FEGPLNVDLIEFQTNLVPYPRIHFPMATAFAPIVSADKAYHEQFSVSDITTACFESSNQLVKCDPRLGKYM
 ACCLLYRGDVPKEVNAAIAATKSRHSVQFVDWCPTGFKVGINNRPPVTMPGGDLAKVHRSICMLSNTTA
 IVEAWARLDHKFDLMYAKRAFLHWYLREGMEEAEFLEAREDLAALERDYEEVAQSF

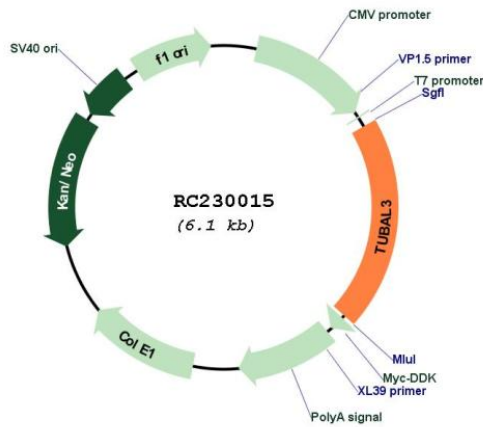
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001171864

ORF Size:	1218 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:	<ol style="list-style-type: none">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.
RefSeq:	NM_001171864.2
RefSeq ORF:	1221 bp
Locus ID:	79861
UniProt ID:	A6NHL2
Cytogenetics:	10p15.1
Protein Families:	Druggable Genome
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection
MW:	46 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 (By similarity).[UniProtKB/Swiss-Prot Function]