

Product datasheet for **RG230015**

TUBAL3 (NM_001171864) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUBAL3 (NM_001171864) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TUBAL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230015 representing NM_001171864 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCAGCTGGAAAATGCAAAAATGGAGCACACAAATGCATCTTTCGATACCTTCTTCTGTGAGACAA
GAGCTGGGAAGCATGTGCCTAGAGCACTCTTCGTGGACTTGGAGCCAACCTGTTATAGATGGGATCCGGAC
GGGCCAGCACCGTTCACTCTCCACCCCGAGCAGCTCCTAGCGGAAAGGAGGATGCTGCTAACAAATTAC
GCGCGAGGCCGTTACTCTGTGGGGTCGGAGGTCATCGACCTTGTGCTGGAGAGGACCCGGAAGCTGGCAG
AACAGTGTGGTGGACTTCAGGGATTTTTGATTTTCCGAAGCTTTGGAGGAGGCACTGGTTCAGGGTTTAC
GTCTCTTAATGGAGAGGCTCACAGGAGAATATAGCAGAAAGACTAAGCTGGAGTTCTCGGTCTACCCA
GCCCCAGGATCTCCACTGCTGTGGTAGAGCCTTATAACTCTGTCTCACCACCCACTCCACCACAGAGC
ACACGGACTGTACCTTCATGGTGGACAACGAGGCCGTCTATGATATATGCCATCGTAAACTCGGTGTTGA
ATGCCCTCTCATGCCAGCATCAATAGATTGGTGGTTCAGGTGGTATCTTCCATCACTGCCTCCCTCCGG
TTTGAAGGGCCCTGAATGTAGACCTAATTGAATCCAGACCAACCTGGTACCTTATCCGAGAATACATT
TCCCCATGACAGCCTTCGCCCCATCGTCTCTGCTGACAAAGCCTACCATGAGCAGTTCTCTGTGCAGA
CATCACCCTGCCTGCTTTGAGTCTCCAACAGCTGGTCAAGTGTGATCCTCGGCTTGGGAAGTACATG
GCCTGCTGCCTACTCTATAGAGGGGATGTGGTCCCAAGGAAGTGAATGCAGCAATCGCAGCCACGAAGT
CGAGGCCTCTGTTCAAGTTGTAGATTGGTGTCCAACCTGGTTTCAAGGTGGGCATCAACAATCGGCCGCC
CACGGTATGCCGGTGGGGACCTGGCCAAAGTCCACCGTCCATCTGCATGCTGAGCAACACCACGGCG
ATTGTGGAGGCCCTGGGCCCGCTGGACCACAAGTTTGACCTCATGTACGCCAAGAGAGCATTTCTGCACT
GGTACCTCAGAGAAGGCATGGAAGAAGCAGAGTTCTTGGAGGCCAGGAAGATCTGGCAGCCCTGGAGAG
GGACTATGAGGAAGTGGCGCAAAGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG230015 representing NM_001171864
 Red=Cloning site Green=Tags(s)

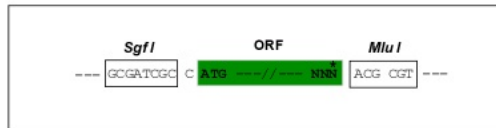
MDQLENAKMEHTNASFDTFECETRAGKHVPRALFVDLEPTVIDGIRTQHRSLFHPEQLLSGKEDAANNY
 ARGRYSVGSEVIDLVLERTRKLAEQCGGLQGFLIFRSFGGGTGSFGFTSLLMERLTGEYSRRTKLEFSVYP
 APRISTAVVEPYNSVLTTSTTEHTDCTFMVDNEAVYDICHKRLGVECPHASINRLVVQVSSITASLR
 FEGPLNVDLIEFQTNLVPYPRIHFPMATAFAPIVSADKAYHEQFSVSDITTACFESSNQLVKCDPRLGKYM
 ACCLLYRGDVPKEVNAAIAATKSRHSVQFVDWCPTGFKVGINNRPPVTMPGGDLAKVHRSICMLSNTTA
 IVEAWARLDHKFDLMYAKRAFLHWYLRGMEAEFLEAREDLAALERDYEEVAQSF

TRTRPLE - GFP Tag - V

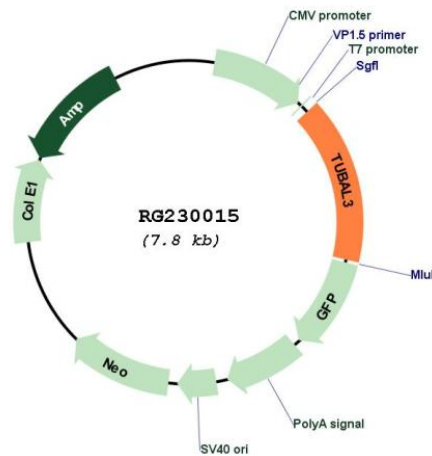
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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 Size:	1695 bp
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
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]