

Product datasheet for **RG228299**

TUBB8 (NM_001164154) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TUBB8 (NM_001164154) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TUBB8
Synonyms: FLJ40100; RP11-631M21.2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228299 representing NM_001164154
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCTGTGCGCTCGGGCCCTTCGGGCAGGTCTTCAGGCCAGACAACCTTCATCTTCGGTCAGTGTG
GGGCCGAAACAACCTGGGCCAAGGGACACTACACCGAAGGCGGGAGCTGATGGAGTCAGTATGGACGT
TGTCAGAAAGGAGGCTGAGAGCTGTGACTGCCTGCAGGGTTCCAGCTGACCCACTCCCTGGGTGGGGG
ACTGGGTCTGGGATGGTACCCTTCTGCTCAGTAAGATCCGGGAGGAGTACCCAGACAGGATCATAAACA
CATTTCAGCATCCTGCCCTCGCCAAGGTGTCGGACACCGTGGTGGAGCCCTACAACGCCACCTCTCAGT
CCACCAGCTCATAGAAAACGCAGATGAGACCTTTGTCATAGATAACGAAGCTCTGTATGACATATGTTCC
AAGACCCTAAAACCTGCCACACCCACCTATGGTGACCTGAACCACCTGGTGTCTGCTACCATGAGTGGGG
TCACCAGTGCCTGCGCTTCCCGGGCCAGCTGAATGCTGACCTGCAGGAGCTGGCCGTGAACATGGTCCC
GTTTCCCCGGCTGCATTTCTTCATGCCCGCTTTGCCCACTGACCAGCCGGGGCAGCCAGCAGTACCGG
GCCTTGACTGTGGCTGAGCTTACCCAGCAGATGTTTGATGCTAAGAACATGATGGCTGCCTGTGACCCCC
GTCACGGCCGCTACCTAACGGCGGCTGCCATTTTCAGGGTTCGCATGCCCATGAGGGAGGTGGATGAACA
AATGTTCAACATTCAAGATAAAGAACAGCAGTACTTTGCTGACTGGCTCCCCAACACGTAACCAACAGCC
GTCTGTGACATCCACCCCGGGGCTAAAATGTCAGCCACCTTCATTGGGAATAATAGGCCATCCAGG
AACTTTCAAGCGTGTCTCAGAGCAGTTTACAGCAATGTTTCAGGCGCAAGGCCTTCTCCACTGGTACAC
GGCGAGGGCATGGATGAGATGGAATTCACCGAGGCCGAGAGCAACATGAACGACCTGGTGTCTGAATAT
CAGCAATATCAGGATGCCACGGCCGAGGAGGAGGATGAGGATATGCCGAGGAGGAGGTGGCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228299 representing NM_001164154
Red=Cloning site Green=Tags(s)

MDSVRSQVFRPDNFIQCGAGNNWAKGHYTEGAELMESVMDVVRKEAESCDLQGFQLTHSLGGG
 TGSGMGTTTTSKIREEYPDRIINTFSILPSPKVSOTVVEPYNATLSVHQLIENADETFCIDNEALYDICS
 KTLKLPPTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLVNMFVPRLLHFFMPGFAPLTSRGSQQYR
 ALTVAEELTQQMFDKNNMAACDPRHGRYLTAALIFRGRMPMREVDEQMFNIQDKNSSYFADWLPNNVKTA
 VCDIPRGLKMSATFIGNNTAIQELFKRVSEQFTAMFRKAFLLHWYTGEGMEDEFTEAESNMNDLVSEY
 QQYQDATAEEEEDEEYAEVEVA

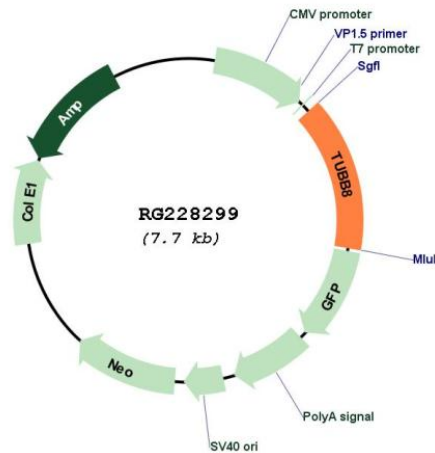
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164154

ORF Size:	1116 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_001164154.1 , NP_001157626.1
RefSeq Size:	1604 bp
RefSeq ORF:	1118 bp
Locus ID:	347688
Cytogenetics:	10p15.3
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection
Gene Summary:	The protein encoded by this gene represents the primary beta-tubulin subunit of oocytes and the early embryo. Defects in this gene, which is primate-specific, are a cause of oocyte maturation defect 2 and infertility. [provided by RefSeq, Mar 2016]