

Product datasheet for **RG207595**

TULP3 (NM_003324) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TULP3 (NM_003324) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TULP3
Synonyms:	TUBL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207595 representing NM_003324 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCTTCGCGCTGCCGGCTCAGTCCCAGCGGCGACAGTGTCTTCCATGAAGAAATGATGAAGATGC
GACAGGCTAAGCTGGATTATCAGAGGCTACTACTTGAGAAGAGGCAAAGGAAAAAGCGCCTTGAGCCATT
TATGGTGCAGCCCAATCCAGAAGCCAGGCTACGTCGGGCAAAGCCAAGGGCCAGTGATGAGCAGACTCCC
TTGGTGAAGTGCATACTCCCCACAGCAATGTCATCTTACATGGTATTGATGGTCCAGCTGCTGCTCTGA
AACCAGACGAAGTTCATGCTCCATCAGTAAGCTCCTCTGTTGTGGAAGAAGATGCTGAAAACACCGTGGA
TACTGCTTCCAAGCCAGGACTTCAGGAGCGTCTCCAAAAGCATGATATCTCTGAAAGTGTGAACTTCGAT
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CCGATACAGGCACTTCCGGTTCTGCTACTGCCGCCAACCAGCTGATAACCTCCTGGGAGACATAGACTA
CCTGGAGGACTTTGTGTATAGTCTGCCCTCAAGGTGTCACAGTAAGATGTCGGATAATCCGGGATAAA
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TTATCTCGTGAAGGAGAAAGTTATGTCGGCAAGCTTAGATCCAACCTCATGGGGACCAAGTTTACAGTT
TATGACCGTGGCATCTGCCCATGAAGGGCCGGGTTTGGTAGGAGCGGCCACACCCGGCAGGAGCTGG
CTGCCATCTCCTATGAAACAAACGTAAGTGGATTTAAAGTCTAGGAAAATGTCTGTGATCATTCTGG
AATGACACTGAATCATAAGCAGATCCCCTATCAGCCACAAAACAACCATGACAGTTTGTCTCAAGTGG
CAGAACAGAACTATGAAAATCTGGTTGAGCTGCACAACAAGGCCCCGCTGGAACAGTGACACTCAGT
CCTATGCTCCTCAACTTCCGTGGCCGGTCACTCAGGCGTCTGTGAAGAACTTCCAGATAGTCCACAAAA
TGACCCTGATTATATAGTCATGCAGTTTGGACGTGTGGCAGATGACGTGTTCACTGGATTACAACACTAC
CCACTTTGTGCAGTACAGGCCTTGGCATCGGTCTTTCTAGCTTTGACAGTAAGCTGGCGTGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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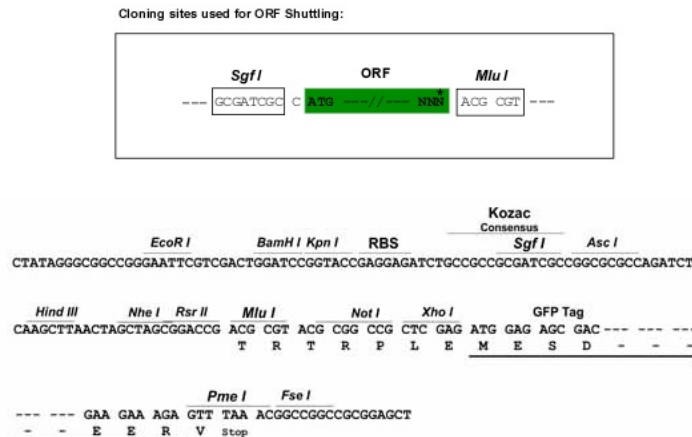
Protein Sequence: >RG207595 representing NM_003324
 Red=Cloning site Green=Tags(s)

```
MEASRCRLSPSGDSVFHEEMMKMRQAKLDYQRLLEKRQRKKRLEPFMVQPPEARLRRRAKPRASDEQTP
LVNCHTPHSNVILHGIDGPAAVLKPDEVHAPSVSSSVVEEDAENTVDTASKPGLQERLQKHDISESVNFD
EETDGISQSACLERPNSASSQNSTDTGTSGSATAAQPADNLLGDIDYLEDVYSPAPQGVTVRCRIIRDK
RGMDRGLFPTYMYMLEKEENQKIFLLAARKRKKSKTANYLISIDPVDLSREGESYVYVGLRSNLMGKFTV
YDRGICPMKGRGLVGAATHRQELAAISYETNVLGFKGPRKMSV IIPGMTLNHKQIPYQPQNNHDSLLSRW
QNRMTMENLVELHNKAPVWNSDTQSYVLFNRGRVTQASVKNFQIVHKNDPDIYVMQFGRVADDVFTLDYNY
PLCAVQAFGIGLSSFDSKLACE
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003324

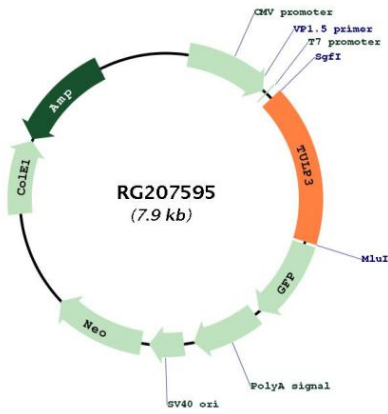
ORF Size: 1326 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_003324.3 , NP_003315.2
RefSeq Size:	2945 bp
RefSeq ORF:	1329 bp
Locus ID:	7289
UniProt ID:	O75386
Cytogenetics:	12p13.33
Domains:	Tub
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the tubby gene family of bipartite transcription factors. Members of this family have been identified in plants, vertebrates, and invertebrates, and they share a conserved N-terminal transcription activation region and a conserved C-terminal DNA and phosphatidylinositol-phosphate binding region. The encoded protein binds to phosphoinositides in the plasma membrane via its C-terminal region and probably functions as a membrane-bound transcription regulator that translocates to the nucleus in response to phosphoinositide hydrolysis, for instance, induced by G-protein-coupled-receptor signaling. It plays an important role in neuronal development and function. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, May 2009]</p>

Product images:



Circular map for RG207595