

## Product datasheet for **RG237602**

### G RTP1 (NM\_001286732) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	G RTP1 (NM_001286732) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	G RTP1
Synonyms:	TBC1D6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237602 representing NM_001286732. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCAGCCCGCCGAGCGCTCGCGGGTCCCCAGGATCGACCCGTACGGATTCGAGCGGCCTGAGGACTTC
GACGACGCCCGCTACGAGAAGTTTTTCTCCAGCTACCTGGTCACGCTCACCCGCAGGGCGATCAAATGG
TCCCGGCTGCTGCAGGGCGGGGGCGTCCCCAGGAGCCGGACAGTGAAGCGCTATGTCCGAAAGGGGTC
CCGCTGGAGCACCGTGCCCGCTCTGGATGGTGTGAGTGGGGCCAGGCGCAGATGGACCAGAATCCC
GGCTACTACCACCAGCTTCTCCAGGAGAGAGAAAACCCAGGCTGGAGGACGCCATCAGGACAGACCTG
AACCGGACCTTCCCCGACAACGTGAAGTCCGGAAGACCAGGACCCCTGTTACAGAGGACCCCTGTAC
AATGTGCTGTGGCATATGGGCACCATAACCAGGGAGTGGGCTACTGCCAGGGAATGAATTTTATAGCA
GGATATCTGATTCTTATAACAAATAATGAAGAAGAAATCTTTTTGGCTGTTAGATGCTCTTGTGGAAGA
ATACTACCAGATTACTACAGCCCGGCCATGCTGGGCTGAAGACCGACCAGGAGGTCTCGGGGAGCTG
GTGCGGGCGAAGCTGCCGGCTGTGGGGCCCTGATGGAGCGTCTCGGTGTGCTGTGGACGCTGCTGGTG
TCCCGTGGTTTCATCTGCCTGTTTGTGGACATCTGCCGTGGAGACAGTGTTCGGATCTGGGACTGT
TTGTTTAAACGAAGGCTCGAAGATTATCTCCGGTGGCCCTGACCTTAATTAAGCAGCACCAGGAGTTG
ATGGAGTGTACACGTTTATGCAGGTGTGTGGGCTGCACGTGGCTCAGTCCCCTCCAGGGGGCCCGG
CCTCACCTGCAGCCCGGGGCTGCTGACCACCCGGAGGGTGCACAGGACGGCACAGTGGCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237602  
 Blue=ORF Red=Cloning site Green=Tag(s)

MQPAERSRVPRIDPYGFERPEDFDDAAYEKFFSSYLVTLTRRAIKWSRLQGGGVPRSRVTKRYVRKGV  
 PLEHRARVWMLSGAQAQMDQNPQYHQLLQGERNPRLEDAIRTDLNRTPDNVFRKTTDPCQLRTLY  
 NVLLAYGHHNQGVGYCQGMNFIAGYLILITNNEEESFWLLDALVGRILPDYSPAMLGLKTDQEVGEL  
 VRAKLPAVGALMERLGVLTLLVSRWFICLFVDILPVETVLRIDWCLFNEGSKIIFRVALTLIKQHQL  
 ILEATSPDICKFKQITKGSFVMECHTFMVCGAARGSVPSQGAPPHLQPGGCSHDPEGAQDGHQWA  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286732

**ORF Size:** 1032 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).

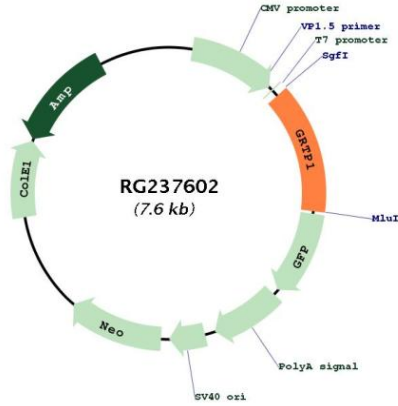
**RefSeq:** [NM\\_001286732.1](#), [NP\\_001273661.1](#)

**RefSeq Size:** 1849 bp

**RefSeq ORF:** 1035 bp

**Locus ID:** 79774  
**UniProt ID:** [Q5TC63](#)  
**Cytogenetics:** 13q34  
**MW:** 39.5 kDa  
**Gene Summary:** May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG237602