

## Product datasheet for **RC224756**

### **G RTP1 (NM\_024719) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** G RTP1 (NM\_024719) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** G RTP1  
**Synonyms:** TBC1D6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC224756 representing NM\_024719  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCCCGCGAGCGCTCGGGGTCCCCAGGATCGACCCGTACGGATTCGAGCGGCCTGAGGACTTCG  
ACGACGCCGCCTACGAGAAGTTTTCTCCAGCTACCTGGTCACGCTCACCCGCAGGGCGATCAAATGGTC  
CCGGCTGCTGCAGGGCGGGGCGTCCCCAGGAGCCGGACAGTGAAGCGCTATGTCCGAAAGGGTCCCC  
CTGGAGCACCGTCCCGCTCTGGATGGTGTGAGTGGGGCCAGGCGCAGATGGACCAGAATCCCGCT  
ACTACCACGACTTCTCCAGGGAGAGAAACCCAGGCTGGAGGACGCCATCAGGACAGACCTGAACCG  
GACCTTCCCCGACAACGTGAAGTTCGGGAAGACCACGGACCCCTGCTTACAGAGGACCCTGTACAATGTG  
CTGCTGGCATATGGCACCATAACCAGGGAGTGGGCTACTGCCAGGGAATGAATTTTATAGCAGGATATC  
TGATTCTATAACAAATAATGAAGAAGAATCTTTTGGCTGTTAGATGCTCTTGTGGAAGAATACTACC  
AGATTACTACAGCCCGCCATGCTGGGCCTGAAGACCGACCAGGAGGTCCTCGGGGAGCTGGTGC GGCG  
AAGCTGCCGGCTGTGGGGCCCTGATGGAGCGTCTCGGTGTGCTGTGGACGCTGCTGGTGTCCCGCTGGT  
TCATCTGCCTGTTTGTGGACATCTGCCGTGGAGACAGTGTCTCGGATCTGGGACTGTTTGTAAACGA  
AGGCTCGAAGATTATCTCCGGTGGCCCTGACCTTAATTAAGCAGCACCAGGAGTTGATTTTGAAGCC  
ACCAGCGTTCAGACATTTGCGATAAGTTTAAGCAGATAACCAAAGGGAGTTTCGTGATGGAGTGT CACA  
CGTTTATGCAGAAAATTTTT CAGAACCTGGAAGCTTATCCATGGCCACCGTCCCAAGCTCCCGCAGAG  
CTGCAGGGCCCGCTGCTGGCACAGGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC224756 representing NM\_024719  
Red=Cloning site Green=Tags(s)

MQPAERSRVPRIDPYGFERPEDFDDAAEYKFFSSYLVTLTRRAIKWSRLLQGGGVPRSRTVKRYVRKGVPL  
 LEHRARVWMLSGAQAQMDQNPgyYHQLLQGERNPRLEDAIRTDLNRTPDNVFRKTTDPCLQRTLYNV  
 LLAYGHHNQGVGYCQGMNFIAGYLILITNNEEESFWLLDALVGRILPDYSPAMGLKTDQEVLGELVRA  
 KLPVAGALMERLGLWTLVSRWFICLFVDILPVETVLRWDCLFNEGSKIIFRVALTLIKQHQLILEA  
 TSPVDICDKFKQITKGSFVMECHTFMOKIFSEPGSLMATVAKLRESCRARLLAQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8044\\_h10.zip](https://cdn.origene.com/chromatograms/mk8044_h10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024719

**ORF Size:** 1008 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:**

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\\_024719.4](#)

**RefSeq Size:** 1423 bp

**RefSeq ORF:** 1011 bp

**Locus ID:** 79774

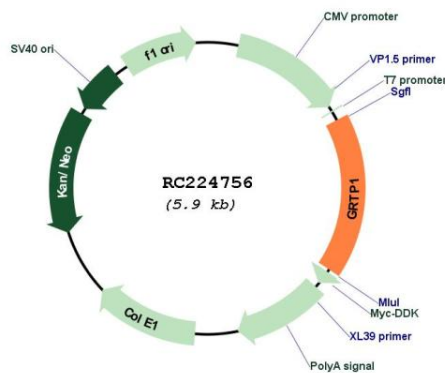
**UniProt ID:** [Q5TC63](#)

**Cytogenetics:** 13q34

**MW:** 38.4 kDa

**Gene Summary:** May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC224756