

## Product datasheet for RN216418

### Grtp1 (NM\_001170477) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Grtp1 (NM\_001170477) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Grtp1  
**Synonyms:** LRRGT00052  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN216418 representing NM\_001170477  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCCCGCAGAGCGCGCGCAGGCGGCGGAGCTCGGGTACCCAGGATCGATCCGTATGGATTTGAAA  
 GGCCCGAAGACTTTGATTATGCGGCTTATGAAGAATCTTTCCACGTACCTGGTGATACTACTAAGAG  
 GGCGATCAAATGGTCCAACTTCTAAAGGGAAGCGGTGGTGTCCGAAAAAGCGTGACAGTGAAGCGTTAT  
 GTCGGAAGGGAATCCCACTGGAGCACCAGGCGCGAGTGTGGATGGCTGTGAGTGGAGCCCAGGCCAGA  
 TGGATCAGAACCCTGGATACTACCATCGACTGCTTGGAGGAGAGCAGTCCAGACTGGAGGAAGCCAT  
 CAGGACAGACTTGAACCGGACATTCCTGACAACGTGATGTTCCGGAAGACGGCAGATCCTGTCTCCAG  
 AAGACCCTGTACAACGTGCTGCTGGCGTATGGGCTGCACAACCAAGATGTGGGGTACTGCCAGGGGATGA  
 ACTTCATAGCTGGGTATCTGATCCTTATCACTAAGAATGAAGAGGAGTCTTTCTGGCTTTTGGATGCTCT  
 TGTTGGAAGAATACTGCCTGATTACTATAGCCCGCAATGTTGGGGCTGAAGACTGATCAAGAGGTCCTG  
 GCAGAGCTGGTGAGGATGAAGCTACCGCGGTGGCAGCACTGATGGATGGCCATGGTGTGTTGTGGACTC  
 TGCTGGTGTCCCGCTGGTTCATCTGCCTGTTTGTGGATATTCTCCCTGTGGAGACGGTGTACGAATCTG  
 GGACTGTTTGTCAACGAAGGCTCCAAAATCATATTCGGGTTGCTCTGACCTTAATTAAGCAACATCAG  
 GAATTTATATTGGAAGCCAGCAGTGTCCAGACATCTGTGACAAGTTCAAGCAGATCACCAAAGGGGACT  
 TTGTGACAGAGTGTACACGTTTCATGCAGAAAATATTTTCAGAACCAGGAAGCCTGTCCATGGCGACCAT  
 CACTAGGCTCCGGGAAAGTTGCCGAGCTGCGCTGCAGGCACAGAGCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001170477
<b>Insert Size:</b>	1029 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001170477.1, NP_001163948.1</u>
<b>RefSeq Size:</b>	1300 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	361180
<b>Cytogenetics:</b>	16q12.5
<b>Gene Summary:</b>	<p>May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>