

## Product datasheet for RN216257

### Grtp1 (NM\_001031813) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Grtp1 (NM\_001031813) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Grtp1  
**Synonyms:** LRRGT00052  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216257 representing NM\_001031813  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATCCCGCAGAGCGCGCGCAGGCGGCGGAGCTCGGGTACCCAGGATCGATCCGTATGGATTTGAAA  
GGCCCGAAGACTTTGATTATGCGGCTTATGAAGAATCTTTCCACGTACCTGGTGATACTACTAAGAG  
GGCGATCAAATGGTCAAACCTTCTAAAGGAAGCGGTGGTGTCCGAAAAAGCGTGACAGACTTGAACCGG  
ACATTCCTGACAACGTGATGTTCCGGAAGACGGCAGATCCTTGTCTCCAGAAGACCCTGTACAACGTGC  
TGCTGGCGTATGGGCTGCACAACCAAGATGTGGGGTACTGCCAGGGGATGAACTTCATAGCTGGGTATCT  
GATCCTTATCACTAAGAATGAAGAGGAGTCTTTCTGGCTTTTGGATGCTCTTGTGGGAAGAATACTGCCT  
GATTACTATAGCCCGGAATGTTGGGGTGAAGACTGATCAAGAGGTCCTGGCAGAGCTGGTGAGGATGA  
AGCTACCGGCGGTGGCAGCACTGATGGATGGCCATGGTGTGTTGGACTCTGCTGGTGTCCCGCTGGTT  
CATCTGCCTGTTGTGGATATTCTCCCTGTGGAGACGGTCTACGAATCTGGGACTGTTTGTCAACGAA  
GGCTCCAAAATCATATTCGGGTTGCTCTGACCTTAATTAAGCAACATCAGGAATTTATATTGGAAGCCA  
GCAGTGTCCAGACATCTGTGACAAGTTCAAGCAGATCACCAAAGGGGACTTTGTGACAGAGTGTACAC  
GTTTCATGCAGAAAATATTTTCAGAACCAGGAAGCCTGTCCATGGCGACCATCACTAGGCTCCGGGAAAGT  
TGCCGAGCTGCGCTGCAGGCACAGAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001031813  
**Insert Size:** 870 bp



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<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><a href="#">NM_001031813.2</a></u> , <u><a href="#">NP_001026983.1</a></u>
<b>RefSeq Size:</b>	1111 bp
<b>RefSeq ORF:</b>	870 bp
<b>Locus ID:</b>	361180
<b>UniProt ID:</b>	<u><a href="#">Q4QQU7</a></u>
<b>Cytogenetics:</b>	16q12.5
<b>Gene Summary:</b>	May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame exon in the CDS, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1.