

## Product datasheet for **MC217842**

### Rtp4 (BC024872) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rtp4 (BC024872) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtp4
Synonyms:	5830458K16Rik; Ifrg28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC024872 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGTTCCCGATGACTTCAGTACTTGGGAGCAGACATTTCAAGAAGTATGCAGGAGGAGAAGCCCG  
GGGCCAAGTGGAGCCTGCATTTGGATAAGAACATTGTACCAGATGGTGCAGCCCTGGGATGGAGGCAGCA  
CCAGCAGACAGTGCCTGGCAGGTTCCAGTGTCCAGATGCTGCAGAAGTTGGACCTCTGCTCAGGTGATG  
ATCTTGTGCCACATGTACCAGGACACTTTGAAATCGCAGGGCCAGGCACGCATGAGGATCTTTGGTCAGA  
AGTGCCAGAAGTGTGGATGTCAATTTGAGACTCCCAAGTTCTCCACAGAGATCATCAAAGAATTCT  
GAATAACCTAGTTAATTATATTCTGCAGAGATACTATGGACACAGGAAGATAGCATTGACCTTGAATGCA  
TCTTTGGGTGAGAAGGTGACTTTGGATGGTCCCCACGACATACGCAATTGTGAGGCATGCAGTCTAACT  
CTCATGGAAGATGTGCCCTTGATACAAAGTAAAACCACCCAGATCCCCATCTCCATTACCAAAGAGTTC  
CTCCCCATCAAAGAGCTGCCCTCCTCCGCTCAGAACCAGGAATATGGATTTTGGGAATAGAATTTTCAG  
GATTTTGGGAATAGAATTTTCAGGGATGCAGAGAGCCCCCAACGTGAAATAGGGCCACCACTATTTTC  
TGTTTTGTCTATTGCTGCATTTGCCCTTTTGTCTTTTCACTAGATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC024872
Insert Size:	750 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>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>	<a href="#">BC024872</a> , <a href="#">AAH24872</a>
<b>RefSeq Size:</b>	1651 bp
<b>RefSeq ORF:</b>	749 bp
<b>Locus ID:</b>	67775
<b>Cytogenetics:</b>	16 B1
<b>Gene Summary:</b>	Probable chaperone protein which facilitates trafficking and functional cell surface expression of some G-protein coupled receptors (GPCRs). Promotes functional expression of the bitter taste receptor TAS2R16 (By similarity). Also promotes functional expression of the opioid receptor heterodimer OPRD1-OPRM1 (PubMed:18836069).[UniProtKB/Swiss-Prot Function]