

## Product datasheet for **MC210624**

### Rtp4 (NM\_023386) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rtp4 (NM_023386) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtp4
Synonyms:	5830458K16Rik; Ifrg28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210624 representing NM_023386 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGTTCCCGATGACTTCAGTACTTGGGAGCAGACATTTCAAGAAGTGCAGGAGGAGAAGCCCG  
GGGCCAAGTGGAGCCTGCATTTGGATAAGAACATTGTACCAGATGGTGCAGCCCTGGGATGGAGGCAGCA  
CCAGCAGACAGTGCTTGGCAGGTTCCAGTGTCCAGATGCTGCAGAAAGTTGGACCTCTGCTCAGGTGATG  
ATCTTGTGCCACATGTACCCGGACACTTTGAAATCGCAGGGCCAGGCACGCATGAGGATCTTTGGTCAGA  
AGTGCCAGAAGTGTGGATGTCAATTTGAGACTCCCAAGTTCTCCACAGAGATCATCAAAGAATTCT  
GAATAACCTAGTTAATTATATTCTGCAGAGATACTATGGACACAGGAAGATAGCATTGACCTCGAATGCA  
TCTTTGGGTGAGAAGGTGACTTTGGATGGGCCCCACGACACGCAATTGTGAGGCATGCAGTCTAACT  
CTCATGGAAGATGTGCCCTTGCACACAAAGTAAAACCCAGATCTCCATCTCCATTACCAAAGAGTTC  
CTCCCCATCAAAGAGCTGCCCTCCTCCGCTCAGACCCGGAATACGGATTTTGGGAATAAACTTTTCAG  
GATTTTGGGAATAGAATTTTCAGGGATGCAGAGAGCCCCCAACGTGAAATAGAGCCACCACCTATTTCT  
TGTTTTGTCTATTGCTGCATTTGCCCTTTTGTAGTCTTTTCACTAGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_023386
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="#">NM_023386.5</a> , <a href="#">NP_075875.3</a>
<b>RefSeq Size:</b>	1573 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	67775
<b>UniProt ID:</b>	<a href="#">Q9ER80</a>
<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]