

## Product datasheet for **MG202581**

### Rtp2 (NM\_001008230) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rtp2 (NM_001008230) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rtp2
Synonyms:	Gm605
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202581 representing NM_001008230 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCACCAGCCTGACCACTTGTGAGTGAAGAAGGTCTTCTACGAGAAGATGGAGGTGGCCAAGCCAG  
CGGACAGCTGGGAGCTCATCATAGACCCACCCTCAAGCCCAATGAGCTGGGCCCTGGCTGGAAGCAGTA  
CCTGGAGCAACATGCCTCAGGCAGGTTCCACTGTTCTGGTGTGGCACACATGGCAATCTGCCAATGTC  
GTCATTCTTCCACATGCACCTGGACCGTCCCAGCGTGTGGCTCAGTGCGCATGCGCGTGTTCAGC  
AGCTGTGCTATCAGTGCGGCACGTCGCGGCTGGACGAGTCCAGCATGCTGGAGGAGAATATCGAGGGCCT  
GGTGGACAACCTCATCACCAGTCTGCGCGAGCAGTGTACGATGAGGATGGTGGCCAGTACCGCATCCAC  
GTAGCCAGCCGGCCAGACAGCGGATTGCACCGCAGTGAGTTCTGCGAGGCCTGCCAGGAAGGCATCGTGC  
ACTGGAAGCCAGCGAAAAGCTGCTGGAGGAGGATGCCGCCTATACCGATGCCTCCAAGAAGAAGGGCCA  
GGCTGGTTTTATCTCCAGCTTCTCTCATTTCTGTTGGTGCCTGTTCTGGGGCACCCCTCTGCCTGGTCATT  
GTCTACCTGCAGTTCTCCGAGGCCGCTCTGGCTTCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG202581 representing NM\_001008230  
 Red=Cloning site Green=Tags(s)

MSTSLTTCWKKVYFEKMEVAKPADSWELIIDPTLKPNELGPGWKQYLEQHASGRFHCSWCWHTWQSANV  
 VILFHMHLDRARVGSVVRMRVFKQLCYQCGTSRLDESSMLEENIEGLVDNLIITSLREQCYDEDGGQYRIH  
 VASRPDSGLHRSEFCEACQEGIVHWKPSEKLLLEEDAAYTDASKKKGAGFISFFSFRWCLFWGTLCLVI  
 VYLQFFRGRSGFL

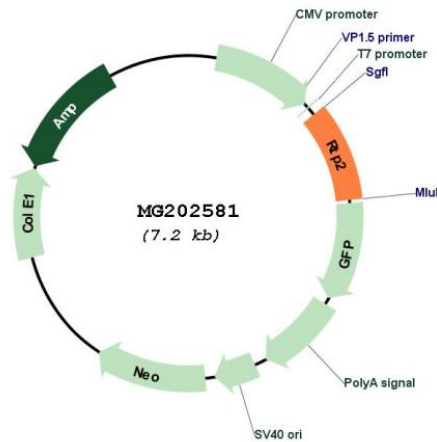
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001008230

ORF Size: 669 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001008230.3</a> , <a href="#">NP_001008231.1</a>
<b>RefSeq Size:</b>	2428 bp
<b>RefSeq ORF:</b>	672 bp
<b>Locus ID:</b>	224055
<b>UniProt ID:</b>	<a href="#">Q80Z12</a>
<b>Cytogenetics:</b>	16 B1
<b>Gene Summary:</b>	Specifically promotes functional cell surface expression of olfactory receptors, but not of other GPCRs.[UniProtKB/Swiss-Prot Function]