

Product datasheet for **MC204644**

Rtp2 (NM_001008230) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtp2 (NM_001008230) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtp2
Synonyms:	Gm605
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC049158
 GCTTTTTGGACCACAGAGACTGCCTGGGCTGCATCTATCTAAGCTTTCTGTTCTTCTTGGGCTGAGTTC
 ACCCTTCTATCCCAGCCAACAGGACCATGTCCACCAGCCTGACCCTTGTGAGTGGAGAAGGTCTTCTA
 CGAGAAGATGGAGGTGGCCAAGCCAGCGGACAGCTGGGAGCTCATCATAGACCCACCTCAAGCCCAAT
 GAGCTGGGCCCTGGCTGGAAGCAGTACCTGGAGCAACATGCCTCAGGCAGGTTCCACTGTTCTGGTGT
 GGCACACATGGCAATCTGCCAATGTCGTATTCTTCCACATGCACCTGGACCGTGGCCAGCGTGTGG
 CTCAGTGCGCATGCGCGTGTCAAGCAGCTGTGCTATCAGTGCGGCACGTGCGGGTGGACGAGTCCAGC
 ATGCTGGAGGAGAATATCGAGGGCTGGTGGACAACCTCATCACCAGTCTGCGCGAGCAGTGTACGATG
 AGGATGGTGGCCAGTACCGCATCCACGTAGCCAGCCGGCCAGACAGCGGATTGCACCCGAGTGAATTCTG
 CGAGGCCCTGCCAGGAAGGCATCGTGCATGGAAGCCAGCGAAAAGCTGTGGAGGAGGATGCCGCCTAT
 ACCGATGCCTCCAAGAAGAAGGGCCAGGCTGGTTTTATCTCCAGCTTCTTCTCATTTCTGTTGGTGCCTGT
 TCTGGGGACCCTCTGCCTGGTCAATGTCTACCTGCAGTCTTCCGAGGCCGCTCTGGCTTCTTTAGTG
 GTAGGGTGGGAAAAGGACTCATGGATTGAAAATGAGAAGGATTTGGTCTCCTCCTGAGTCTGTAC
 GGGTCTATCTATGACTCTGGTTATCTGCACACTGCTCTAGTCTGCACAGGAGAACTTAGTGGTCC
 TTCCACTAATTTAATAGCAACGGAGGAAAAGTAGAAGGAATAGGGATTTGGAAGTTTGTGGAGTTTGT
 GAGTCTGAAATCTGCAGCTGCCACCTCCAGCCTTACTTTACATTTCTAGCCTTAGTCCCATCTGGACA
 CTGTGCGTTTTAGCTTTATGTGCCCTGCATGGTCCCCTTGGAGGGAGCAGAGCCACCTCCAGCCTCCAT
 CGAATACATAGGGACAGCCTGCTTCTCCATTCTGAAATGCTGAGGATTTCACTCAGGCGTAGGGCTGG
 GATGAGGATAGAGGTGGGGGGTGGTGAAGTGGGGATGGGCTGAGGGGGTGGAAATGGTCAAGGGCGCAT
 TGTCCAATGGATTAGCTATTGGCCATATGTGGCTGCTCTGATTAAGATTAATTAATGAAATAAAAGTG
 TTCCTTAGTAGTCCAACTCAGTCAGGCTTATACAGAATTTGCCCCATAGAGGCCATTGCTCAATGGA
 AGACAAGGGTACTTCTAGGAAGATGAACACCAAGGGTTGGGCATCAAGTGTCCCCAGAGGCTTCCA
 CCCTCTGCTTTGTCTACCCTGGGAACCCCTACGCAGCGCTGAACAACAGGACAGGAAAACTAGGGCCCA
 GCTTGCATCTCTGCTAAAATCTGTTTTGTGTCTAGAAATAGTTTGCCTAACTCTGTCAAGAAAATAGG
 TCATGTCTCAGAGGGTCAAGTAAAGCCAGGGTGTCTGACCACCGCATCCGAAGGAGGAAATGCGGCTGAGG
 ATGGCTGTGAGGGCAAGGAAGCTAGAATAGTTGGAGAGAAACGAGGCCGGGAATATCTCCAGAAGCCAG
 TTTCTCGATAAACAGTGATTTCTGCATTTTCATGTTAAATTGGAGTACTGGTCCCTGACTCGGGGTCC
 CTTCCCAACCCGCTGCAATGATTTTATCTCCTCAGGATTGAGGGAGTAGGTTATATTAGTTTCCAAGACT
 TGTTTCTCTTTAGTCCATGGAATCTCATTTCTACATCCCTAGAGCCAGCCTCCATACTTCACTACCA
 AAACATTGGCTGCTTTTCTGTTTGTGTCTGCCACATTTTATAGTCTCTTTCTGTAATTGTTCTGTTTCA
 TGAACAGTGGCTGTCACTCTAATATTTTCTTACATGTATTCTGGTCAATTCAAGATATATCACCTC
 TTCTGACCCCCCAGCACTGGTCTCTCTTCTGAATGATCCCTTTCTGCTTTTGTATCTATGTTTA
 AAAGTCTCCTTTTACACGTGAGGGAACACAAATGATATTTTCTCTTTTAGCCTAACTGATTTAGCTTA
 ACATGATCTCCAGTCCCACCCACTTCCCAGAAAGTGACATTTTTATTTTCTTTATAACCAATATATTC
 CATTTTGTACACATGACATACTTTTTCATCCATTGATCAATCTGTTAATGGGTATATCATCTGATTTTCA
 AACTTGGCTATTGTAATAGTGTCAATAAATGCAGATATGTAGGTAAGGAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_001008230
- Insert Size:** 672 bp
- OTI Disclaimer:** 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).
- Components:** 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [BC049158](#), [AAH49158](#)

RefSeq Size: 2522 bp

RefSeq ORF: 672 bp

Locus ID: 224055

UniProt ID: [Q80Z12](#)

Cytogenetics: 16 B1

Gene Summary: Specifically promotes functional cell surface expression of olfactory receptors, but not of other GPCRs.[UniProtKB/Swiss-Prot Function]