

Product datasheet for **MC216425**

Rtp3 (NM_153100) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtp3 (NM_153100) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtp3
Synonyms:	Tmem7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216425 representing NM_153100
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAAGAAGACATAGGAGACACAGAGCAATGGCGACATGTGTTCCAGGAGCTAATGCAAGAGGTGA
 AACCCCTGGCACAAATGGACCCTCATACCAGACAAGAACCTTCTTCCCAAGTTTTGAAGCCAGGATGGAC
 GCAATACCAGCAAAGACCTTTGCTAGGTTCCACTGTCCTTCTGCTCTCGAAGTTGGGCATCTGGCCGA
 GTTCTGATAGTCTTCCACATGCGGTGGTGTGAGAAGAAGGCCAAGGGTGGTGAAGATGAGGGTGTGTTG
 CTCAGAGATGTAATCAGTGCCCCGAGCCTCCATTTGCAACTCCAGAAGTCACTTGGGACAACATCTCAAG
 GATCTTGAACAACCTGCTTCCAAATTCTGAAGAAGTGTATAAAGAAGGATTTAAGCAAATGGGTGAG
 ATTCCTTTGCTAGGGAACACCAGTCTCGAAGGGCCACATGACAGCAGCAACTGTGAGGCCTGTCTCCTGG
 GCTTTTGTGCTCAGAATGACTTAGGCCAAGCCTCAAACCACCAGCACCCCATATCTCCTACCTCCTC
 GAAGTCAGCCAGGAGCCCAAGTCACTGTACCTGTAGCAACATTTCTCCTCACGGCCCTCCTCTAAA
 GTACAGATGCCCAAGCATCAAAAGTGAACCCCAAGCCAGTAACCCATACCAAAAATGACCCCAAAGTTA
 GCTGCACCTCAAACCACCAGCACCCCATATCTCCTACCTCCTTAAAGTCAGCCAGGGAGCCTAAGGT
 CACTGTACCTGTAGCAACATTTCTCCTCGCGGCCCTCCTCTAAAGTACAGATGCCCAAGCATCAAAA
 GTGAACCCCAAACCAGTAATCTACCAAAAATGACCCCAAGATTAGCTGTACCTCAAACCATCAACTA
 CTCCAAGACTGACAATACAACAGCTGTCAGTAGTAAGCCACCTGCCCTGCCCTACATGTGTCATTCA
 AATGCCTTCTCCCACTCCCATCGACGGCAGCAGAGCAGAGATGTAGCAAAGGAGAACACCAGATCCAAG
 ACCCAAAGGCATTGCTCTCATCCCCTTATACGTCCCACCCACTTCTCCTATGTCCCACCCACTTCTC
 CCTATGTCCCACCCACTTCTCCTATGTCCCACCCACTTCTCCTATGTCCCACCCACTTCTCCTCAGT
 TATTGTGCCCATTTCTCCTCGTGAGACTACCAGAAAACACTATTTGCCAAGTAGAGAGAAACAGTCAT
 ATCCACCCGCAAAGCCAGTCTTCTGCTGTGGGCCTGCTGCGAGTCTGGTGTGAGATCTTCAGGTA
 CATGCTGTGAGGCCGCTGTAATTGCATGTCACAGAGTCCACTGTGTTGCTTGGCCTTTCTAATCTGT
 CTTATTGCTGTGGTATTTATTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_153100

Insert Size: 1425 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: [NM_153100.2](#), [NP_694740.2](#)
RefSeq Size: 2460 bp
RefSeq ORF: 1425 bp
Locus ID: 235636
UniProt ID: [Q5QGU6](#)
Cytogenetics: 9 F2
Gene Summary: Promotes functional cell surface expression of the bitter taste receptors TAS2R16 and TAS2R43.[UniProtKB/Swiss-Prot Function]