

Product datasheet for **SC107413**

RTP3 (NM_031440) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTP3 (NM_031440) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTP3
Synonyms:	LTM1; TMEM7; Z3CXXC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107413 sequence for NM_031440 edited (data generated by NextGen Sequencing)

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ATGGCTGGGGACACAGAAGTGTGGAAGCAAATGTTTCAGGAGTTAATGCGGGAGGTGAAG
CCATGGCACAGGTGGACCCTGAGACCAGACAAGGGCCTTCTTCCAACGCCTGAAGCCA
GGCTGGATGCAATACCAGCAGTGGACCTTCGCCAGGTTCCAGTGCTCCTCCTGCTCTCGT
AACTGGGCTCTGCCAAGTTCGGTCCTTTCCACATGAACTGGAGTGAGGAGAAGTCC
AGGGGCCAGGTGAAGATGAGGGTGTTCACCCAGAGATGTAAGAAGTGCSCCAACCTCTG
TTTGAGGACCCTGAGTTCACACAAGAGAACATCTCAAGGATCCTGAAAAACCTGGTGTC
CGAATTCTGAAGAAATGCTATAGAGGAAGATTTTCAGTTGATAGAGGAGGTTCTATGATC
AAGGACATCTCTTGAAGGGCCACACAATAGTGACAACGTGAGGCATGTCTGCAGGGC
TTCTGTGCTGGGCCCATACAGGTTACAAGCCTCCCCCATCTCAGACCCAAGAGTACAC
TCCATTTACAAGTGGAGGAGGTAGTTAAGCCCTGGGCCTCAGGAGAGAATGTCTATTCC
TACGCATGCCAAAACCACATCTGTAGGAACTTAAGCATTTTCTGCTGTTGTGTCATTCTC
ATTGTTATCGTGGTGATTGTTGTA AAAA ACTGCTATATGA
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Clone variation with respect to NM_031440.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031440 unedited
 GGGGGGGCGNGGGGGGNNNNNNNNNNNNNNNNNNNNNNNTTTTGTTCAGAATTTGTNATACGA
 CTCACTATAGGCGGCCCGGAGAACTATCTCCCATACAGACCTGCCAGGGCCAGGAGAG
 CTCAACCCACCCAGGCACACCATAGCCCCAGAGATGGCTGGGGACACAGAAGTGTGAAG
 CAAATGTTTCAGGAGTTAATGCGGGAGGTGAAGCCATGGCACAGGTGGACCCTGAGACCA
 GACAAGGGCCTTCTTCCCAACGTCCTGAAGCCAGGCTGGATGCAATACCAGCAGTGGACC
 TTCGCCAGGTTCCAGTGTCTCTCTGCTCTCGTAACTGGGCCTCTGCCAAGTTCTGGTC
 CTTTTCCACATGAACTGGAGTGAGGAGAAGTCCAGGGGCCAGGTGAAGATGAGGGTGTTT
 ACCCAGAGATGTAAGAAGTGCCCCAACCTCTGTTTGAGGACCCTGAGTTCACACAAGAG
 AACATCTCAAGGATCCTGAAAACTGGTGTCCGAATCTGAAGAAATGCTATAGAGGA
 AGATTTTCAGTTGATAGAGGAGGTTCTATGATCAAGGACATCTCTTGAAGGGCCACAC
 AATAGTGACAACGTGAGGCATGTCTGCAGGGCTTCTGTGCTGGGCCATACAGTTTACA
 AGCCTCCCCCATCTCAGACCCCAAGGTACACTCCATTTACAAGGTGGAGGANGTAGTT
 AAGCCCTGNGCCTCANGAGAAGATGTCTANTTCTACGCATGCCANAACCACATCTGTANG
 AACTTAAGCATTNTCTGCTGNTGNGTCATTCTCATTGNNTATCGGGNNGAATTGGNTGTA
 AAAAAGTCTATATGAGCCTTGAAACATNNGAGCTAGTCAGAAAANAATCAGACCCAAN
 AAGTCAAAAAAAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031440 unedited
 CTTTCAGAGCGCGCGCATCAGAGTCGAGTTTTTTTTTTTTTTTTTTTGACTTTTTGTAT
 CTGATTTTTTTCTGACTTAGCTTCATGTTTCCAAGGCTCATATAGCATGTTTTACTAC
 AATCACCACGATAACAATGAGAATGACACAACAGCAGAAAATGCTTAAGTTCCTACAGAT
 GTGGTTTTTTCATGCGTAGGAATAGACATTCTCTCCTGAGGCCAGGGCTTAACTACCTC
 CTCACCTTGAAATGGAGTGTACTCTTGGGGTCTGAGATGGGGGGAGGCTTGAACCTG
 AATGGTCCATCAGAACCCCTGTTGACATGCCTCACAGTTGTCACTATTGTGTGCC
 TTCTAGATATATGCTTGTATGATACCTCCTTATCACTGAAATCTTCCTCTAT
 AGCATTCTTCAGAAATTCGGAACACCTGTCTTTTCAGGATCCTTGATTTTTTTCCCGCG
 CCAACTCAGGATCCTCTTACATAGAAAAGGGGGCGCTTCTACTATCTGGCGTAACTAC
 TTCATCTTTACCTGTATCCTTGTATTTCTCCTCTTTCAGATCATGTTGTTTCATAGCACC
 CTCATCTTGTGTAATTTCTGCTACTTATTATATAGATGTACTGTTACCTTATAAAA
 TTGTCCCCTGTTGTTATTTGATCAAGCCCCTGTCTTTATTAATTTTTGATAACAAT
 CCCATTATCTTTATATCAACTGTCCATTATGTGATAAATTTTTCTACTTCTCTACAA
 TAATCATTTTTGACAACTTTTTTCTTCTACTTTAATGTTGTTCCACAGTTCAACTTTA
 TGTTGATCAATGATTTTGTACTGGATGTTGATTTTAACTATTCTTTGTTGCCCATCT
 CTCATTATATAATTGCCTAAAATATCAGTCTTTCATCCTCCTTCCGGTCTAATTACCTA
 CATTTTTATTCTAATAAAATAACTTAGCTTGCTCTTCACTAACTACATATTCTTATCTCT
 TCTATTTTCTCTTTCTTTTTATTTCACTTCTTATTCTTATCACTTTTTCTATCTACT
 CCCACTACTTTTTTTTATTAATTGCATAACTATTATATTATCTAATACTTTTTCTTTA
 TTATATCTTTTATCTCATATCTCCTATTTTCTTCTTTTCTTACTATTAATTATATAA
 TAAATCTTCTTTCTACTTCTCTATCTATCTTCAATAATTCTACTAATCTTTTCTTTT
 ATTAATCTTTCTATTTATTCTTCTTCTATTATCTTCGTCCTCTATCACTATATCGAT
 ATTATACCATTTTCGCATGTACCTTCTCCTATCTTTTGTCTC

Restriction Sites:

NotI-NotI

ACCN:

NM_031440

Insert Size:

850 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:	<ol style="list-style-type: none">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:	<u>NM_031440.1</u> , <u>NP_113628.1</u>
RefSeq Size:	817 bp
RefSeq ORF:	699 bp
Locus ID:	83597
UniProt ID:	<u>Q9BQQ7</u>
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Promotes functional cell surface expression of the bitter taste receptors TAS2R16 and TAS2R43.[UniProtKB/Swiss-Prot Function]