

Product datasheet for SC300631

RTP2 (NM_001004312) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTP2 (NM_001004312) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTP2
Synonyms:	Z3CXXC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300631 representing NM_001004312. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTGTACCAGCTTGACCACTTGTGAGTGAAGAAAGTCTTCTATGAGAAGATGGAGGTGGCAAAGCCA
 GCGGACAGCTGGGAGCTCATCATAGACCCCAACCTCAAGCCCAGTGAGCTGGCCCTGGCTGGAAGCAG
 TACCTGGAGCAGCAGCCTCAGGCAGGTTCCACTGCTCCTGGTGTGGCACACCTGGCAGTCTGCCAT
 GTGGTCATCCTCTCCACATGTTCTGGACCGCGCCAGCGGGCGGGCTCGGTGCGCATGCGCGTCTTC
 AAGCAGCTGTGCTATGAGTGCAGCAGCGCGGGTGGACGAGTCCAGCATGCTGGAGGAGAACATCGAG
 GGCTGTGGACAACCTCATCACCAGCCTGCGCGAGCAGTGTACGAGGAGGATGGTGGCCAGTACCGC
 ATCCACGTGGCCAGCCGCGCCGACAGCGGCGCGCATCGTGCAGAGTTCTGTGAGGCCTGCCAGGAGGC
 ATCGTTCACTGGAAGCCAGCGAGAAGCTGCTGGAGGAGGAGGTGACCACCTACACCTCTGAAGCCTCC
 AAGCCGAGGGCCAGCGGGATCCGGCTACAACCTCTTGTCTCTTCGCTGGTGCCTCTTCTGGGCTCT
 CTCTGCCTGCTCGTTGTTTACCTGCAGTCTCTCTCTCAGTCTGCCTTCTTTTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001004312
Insert Size:	678 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001004312.2
RefSeq Size:	1346 bp
RefSeq ORF:	678 bp
Locus ID:	344892
UniProt ID:	Q5QGT7
Cytogenetics:	3q27.3
Protein Families:	Druggable Genome, Transmembrane
MW:	26.1 kDa
Gene Summary:	Specifically promotes functional cell surface expression of olfactory receptors, but not of other GPCRs.[UniProtKB/Swiss-Prot Function]