

Product datasheet for **SC122928**

RTP4 (NM_022147) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RTP4 (NM_022147) Human Untagged Clone
Tag: Tag Free
Symbol: RTP4
Synonyms: IFRG28; Z3CXXC4
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_022147 edited
TTTGTCTCTTCTGAGAAACGAGCAAACCTGAAAGCTACTCTCTCAGCTTCAGAGGGAAA
AAATGGTTGTAGATTTCTGGACTTGGGAGCAGACATTTCAAGAACTAATCCAAGAGGCAA
AACCCCGGGCCACATGGACGCTGAAGTTGGATGGCAACCTTCAGCTAGACTGCCTGGCTC
AAGGGTGAAGCAATACCAACAGAGAGCATTGGCTGGTTCGGGTGTTCCCTGCCAGC
GAAGTTGGGCTTCCGCCAAGTGCAAGTTCTGTGCCACACGTAAGGAGCACTGGACAT
CCCAGGGTCAGGTGCGTATGAGGCTCTTTGGCCAAAGGTGCCAGAAGTGCTCCTGGTCCC
AATATGAGATGCCTGAGTTCTCCTCGGATAGCACCATGAGGATTCTGAGCAACCTGGTGC
AGCATATACTGAAGAAATACTATGGAAATGGCATGAGGAAAGTCTCCAGAAATGCCAGTAA
TCCTGGAAGTGTCCCTGGAAGGATCCCATGACACAGCCAATTGTGAGGCATGCACTTTGG
GCATATGTGGACAGGGCTTAAAAAGCTACATGACAAAGCCGTCCAAATCCCTACTCCCCC
ACCTAAAGACTGGGAATTCCTCACCTGGAATTGGTGTGTGTACCTCGCAAACCAAGCCA
AGAACCAGTCAGATGAGGCAAAAAGGGTAAGGGGAGTGGGTATGAGAAATTAGGGCCCA
GTGCGAGACCCAGATCCACTGAACATCTGTGTCTTTATTTTGTGCTTGTATTTATTGTAG
TCAAAATGCTTTACATCAGAAATGATGAAAATAGGCTTGCCACTTTCTTTATTTTAATTCC
ATGGTAGTCAATGAACTGGCTGCCACTTTAATAAATACTGAAAATTCATTTTGAGACCAAG
CAGGATCAAGTTGTAGAATAAACTAGGTTTCCTAGCTATCCTCTGAAAACAGTATGAA
ACATGACCAAGTACATAATGGATTTAGTAATAAATATTGTGCAATTGCTAAAAAAAAAAAA
AAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022147 unedited NATTCATAATTGTATACGACTCACTATAGGCGGCCGCGATTTCATATCTGGTACCGGTCCG GAATTCGCCGGATATCGTCGACCCACGCGTCCGTTTGTCTCTTCTGAGAAACGAGCAA CCTGAAAGCTACTCTCTCAGCTTCAGAGGGAAAAAATGGTTGTAGATTTCTGGACTTGGG AGCAGACATTTCAAGAACTAATCCAAGAGGCAAAACCCGGGCCACATGGACGCTGAAGT TGGATGGCAACCTTCAGCTAGACTGCCTGGCTCAAGGGTGAAGCAATACCAACAGAGAG CATTGGCTGGTCCGGTGTCTCTCCTGCCAGCGAAGTTGGCTTCCGCCCAAGTGCAGA TTCTGTGCCACACGTAAGTGGGAGCACTGGACATCCCAGGGTCAGGTGCGTATGATGCTCT TTGGCCAAAGGTGCCAGAAGTGCTCCTGGTCCCAATATGAGATGCCTGAGTTCTCTCGG ATAGCACCATGAGGATTCTGAGCAACCTGGTGCAGCATATACTGAAGAACTACTATGGAA ATGGCATGAGGAAGTCTCCAGAAATGCCAGTAATCCTGGAAGTGTCCCTGGAAGGATCCC ATGACACAGCCAATTGTGAGGCATGCACCTTGGGCATATGTGGACAGGGCTTAAAAAGCT ACATGACAAAGCCGTCAAATCCCTACTCCCCACCTAAAGACTGGGAATTCCTCACCTG GAATTGGTGTGTACCTCGCATACCAAGCCAAGAACCAGTCAGATGATGCATAAGATG CTATGGGGAGTGGGTATGATGAATTAGGGCCAGTCGAGACCCAGATCCACTGAACATCT GTGTCTTTATTTTGTCTGCTTGGNATTATTGTAGTCAAATGCCTTACATCAGAATGATGAA AATAGGGCCTGCCTGTCTCTATTTTAATTCATGGTAGTCAATGAACTGGNCTGCC
Restriction Sites:	Please inquire
ACCN:	NM_022147
Insert Size:	1026 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:	NM_022147.2 , NP_071430.2
RefSeq Size:	1027 bp
RefSeq ORF:	741 bp
Locus ID:	64108
UniProt ID:	Q96DX8
Cytogenetics:	3q27.3
Protein Families:	Druggable Genome

Gene Summary:

Probable chaperone protein which facilitates trafficking and functional cell surface expression of some G-protein coupled receptors (GPCRs). Promotes functional expression of the bitter taste receptor TAS2R16 (PubMed:16720576). Also promotes functional expression of the opioid receptor heterodimer OPRD1-OPRM1 (By similarity).[UniProtKB/Swiss-Prot Function]