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Product datasheet for SC304455

TAS2R4 (NM_016944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R4 (NM_016944) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R4
Synonyms:	T2R4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016944 edited TGCCTCCACTATCAGCACCACAACTGCTGAATCCTCAATGAGTAAAGATGCTTCGGTTAT TCTATTCCTCTGCTATTATTGCCTCAGTTATTTTAAATTTTGTAGGAATCATTATGAATC TGTTTATTACAGTGGTCAATTGCAAAACTTGGGTCAAAAGCCATAGAATCTCCTCTTCTG ATAGGATTCTGTTCAGCCTGGGCATCACCAGGTTTCTTATGCTGGGACTATTTCTGGTGA ACACCATCTACTTCGTCTCTTCAAATACGGAAAGGTCAGTCTACCTGTCTGCTTTTTTTG TGTTGTGTTTCATGTTTTTGGACTCGAGCAGTCTCTGGTTTGTGACCTTGCTCAATATCT TGTACTGTGTGAAGATTACTAACTTCCAACACTCAGTGTTTCTCCTGCTGAAGCGGAATA TCTCCCCAAAGATCCCCAGGCTGCTGCTGGCCTGTGTGCTGATTTCTGCTTTCACCACTT GCCTGTACATCACGCTTAGCCAGGCATCACCTTTTCCTGAACTTGTGACTACGAGAAATA ACACATCATTTAATATCAATGAGGGCATCTTGTCTTTAGTGGTTTCTTTGGTCTTGAGCT CATCTCTCCAGTTCATCATTAATGTGACTTCTGCTTCCTTGCTAATACACTCCTTGAGGA GACATATACAGAAGATGCAGAAAAATGCCACTGGTTTCTGGAATCCCCAGACGGAAGCTC ATGTAGGTGCTATGAAGCTGATGGTCTATTTCCTCATCCTCTACATTCCATATTCAGTTG CTACCCTGGTCCAGTATCTCCCCTTTTATGCAGGGATGGATATGGGGACCAAATCCATTT GTCTGATTTTTGCCACCCTTTACTCTCCAGGACATTCTGTTCTCATTATTATCACACATC CTAAACTGAAAACAACAGCAAAGAAGATTCTTTGTTTCAAAAAATAGTGGAATTTCAGTA AACAATACCTAGATTTACCTGATGGTTTGGGGGC
Restriction Sites:	Please inquire
ACCN:	NM_016944
Insert Size:	1000 bp

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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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain 2 SNPs compared with NM_016944.1.
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_016944.1, NP_058640.1
RefSeq Size:	900 bp
RefSeq ORF:	900 bp
Locus ID:	50832
UniProt ID:	Q9NYW5
Cytogenetics:	7q34
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Taste transduction
Gene Summary:	This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. These apparently intronless genes encode a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes in chromosome 7 and is genetically linked to loci that influence bitter perception. [provided by RefSeq, Jul 2008]