

Product datasheet for **RN208764**

Tas1r1 (NM_053305) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas1r1 (NM_053305) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tas1r1
Synonyms:	Gpr70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208764 representing NM_053305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTTCTGGGCTGCTCACCTGCTGCTCAGCCTGCAGTTGGTCTACTGCTGGGCTTTAGCTGCCAAA
 GGACAGAGTCCTCTCCAGGCTTCAGCCTTCTGGGGACTTCTCCTTGACAGGTCTGTTCTCCCTCCATGG
 TGA CTGTCTGCAGGTGAGACACAGACCTCTGGTGACAAGTTGTGACAGGCCCGACAGCTTCAACGGCCAT
 GGCTACCACCTCTTCCAAGCCATGCGGTTCACTGTTGAGGAGATAAACTCCTCGGCCCTGCTTCCCA
 ACATCACCTGGGGTATGAGCTGTACGACGTGTGCTCAGAATCTGCCAATGTGTATGCCACCCTGAGGGT
 GCTTGGCCTGCAAGGGCCCGCCACATAGAGATACAGAAAGACCTTCGCAACCACTCCTCCAAGGTGGT
 GCCTTCATCGGGCTGACAACACTGACCACGCTGCTACTACCGCTGCCTTGTGGGTCTTCTCTGATGC
 CCCTGGTCAGCTATGAGGCAAGCAGCGTGGTACTCAGTGCCAAGCGCAAGTTCCCGTCTTCTCTGATAC
 CGTCCCCAGTGACCGGCACCAGGTGGAGGTCATGGTGCAGCTGCTGCAGAGTTTTGGGTGGGTGTGGATC
 TCGCTCATTGGCAGCTACGGTGATTACGGGCAGCTGGGTGTGCAGGCGCTGGAGGAGCTGGCCGTGCCCC
 GGGCATCTCGCTCGCCTTCAAGGACATCGTGCCTTCTCTGCCCGGGTGGGTGACCCGAGGATGCAGAG
 CATGATGCAGCATCTGGCTCAGGCCAGGACCACCGTGGTGTGGTCTTCTCTAACCGGCACCTGGCTAGA
 GTGTTCTTCAGGTCCGTGGTGTGGCCAACTGACTGGCAAAGTGTGGTGCCTCAGAAGACTGGGCCA
 TCTCCAGTACATCACAGCGTGACTGGGATCCAAGGCATTGGGACGGTGTGGTGTGGCCGTCCAGCA
 GAGACAAGTCCCTGGGCTGAAGGAGTTTGGAGTCTTATGTAGGGCTGTAACAGCTGCTCCAGCGCT
 TGCCCGGAGGGGTCTGGTGCAGCACTAACAGCTGTGCCGGGAGTGCCACACGTTACAGCTGTAAACA
 TGCCACGCTTGGAGCCTTCTCCATGAGTGCCCGCTACAGAGTGTATGAGGCTGTGACGCTGTGGCCCA
 CGGCCTCACAGCTCCTGGGATGTA CTCTGAGATCTGTTCCAGAGGCCAGTCTACCCCTGGCAGCTT
 CTTCAGCAGATCTACAAGTGAATTTCTCTACATGAGAATACTGTGGCATTGATGACAACGGGGACA
 CTCTAGGTTACTACGACATCATCGCTGGGACTGGAATGGACCTGAATGGACCTTTGAGATCATTGGCTC
 TGCCTCACTGTCTCCAGTTCATCTGGACATAAATAAGACAAAAATCCAGTGGCACGGGAAGAACAATCAG
 GTGCCTGTGTAGTGTGTACCACGGACTGTCTGGCAGGGCACCACAGGGTGGTGTGGGTCCCACCACT
 GCTGCTTTGAGTGTGTGCCCTGCGAAGCTGGGACCTTTCTCAACATGAGTGTGAGCTTACATCTGCCAGCC
 TTGTGGAACAGAAGAATGGGCACCAAGGAGAGCACTACTTGCTTCCACGCACGGTGGAGTTCTGGCT
 TGGCATGAACCCATCTTTTGGTCTAATAGCAGCTAACACGCTATTGCTGCTGCTGCTGGTGGGACTG
 CTGGCCTGTTTGCTGGCATTTCACACACCTGTAGTGAGGTGAGCTGGGGTAGGCTGTGCTTCCCTCAT
 GCTGGGTTCCCTGGTGGCCGGAAGTTGCAGCTTCTATAGCTTCTTCCGGGAGCCACGGTGCCCCGCTGC
 TTGCTGGCTCAGCCCCTTTTTCTCTCGGGTTGGCATCTTCTCTCCTGCCTGACAATCCGCTCCTTCC
 AACTGGTCATCATCTTCAAGTTTTCTACCAAGGTGCCACATTCTACCGTACCTGGGCCAAAACCATGG
 TGCAGGTCTATTCGTATTGTGCTCAGCTCCACGGTCCATTGCTCATCTGTCTCACATGGCTTGAATGTGG
 ACCCCACGACCCACCAGGAATACCAGCGCTTCCCCACTCTGGTATTCTCGAGTGCACAGAGGTCAACT
 CTGTAGGCTTCTGTTGGCTTTCACCCACAACATTCTCTCTCCATCAGTACCTTCGTCTGCAGCTACCT
 GGTAAGGAAGTCCAGAGAATAAATGAAGCCAAATGTGTACCTTCCAGCCTGCTCCTCAACTTCGTA
 TCCTGGATCGCCTTCTTACCATGGCCAGCATTTACCAGGGCAGCTACCTGCCTGGGTCATATGTGCTGG
 CAGGGCTGACCACACTGAGCGGGGCTTACGCGTTACTTCTCCCAAGTGTATGTGATTCTCTGCCG
 TCCAGAACTCAACAATACAGAACA TTTTCCAGGCTCCATCCAGGACTACACGAGGCGCTGCGGCACTACC
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053305
Insert Size: 2523 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_053305.1 , NP_445757.1
RefSeq Size:	2679 bp
RefSeq ORF:	2523 bp
Locus ID:	29407
UniProt ID:	Q9Z0R8
Cytogenetics:	5q36
Gene Summary:	G-protein coupled receptor that is localized to the taste pore of taste buds and taste receptor cells; may act as a taste receptor [RGD, Feb 2006]