

Product datasheet for **RN216318**

Tas2r103 (NM_001166690) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r103 (NM_001166690) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tas2r103
Synonyms:	T2R15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216318 representing NM_001166690 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTGGTGACAATGAGGGCTGCCCTACGGCTAATGTTGATAAGTACTGTAAGTCTGGAGCTCATCATAG
GAATCTTAGCCAATGTATTCATAGCTCTGGTGAACATCATAGACTGGATTAAGAGGAAAGATTCTGC
AGTGGATAAGATCTACATGGGCTGGCCATCTCCAGGACTGCTTTTGATTGTGAGTAATCACAGGGTTC
TTGATAGCATTTTGGACCCAGCTTCATTGGGAATTGGAATAATGATAAGACTCCTTACTATGTCCTGGA
CAGTGACCAATCATTTTCAGTGTCTGGTTTGTCTACATGCCTCAGCATCTTTATTTTCTGAAGATAACCAA
TTTCTCAAACACTGTTTTCTTGCCTCAAATGGAAAGTTAAAAAGTGGTTTCGGTGACATTGGTGGTG
TCTCTGATCATCTTGTATAAACGTTATAGTCATACACATATACACTGATAGATTTCAAGTGAACATGG
TCCAGAAGTGTGGTGCAAATAACACTTTAAGAGCTTACGGGCTCTTTCTATCCATCAGCAGCGGTGTTTAC
ATTCATCCCATTCACGGCATCCCTGACAATGTTTCTTCTGCTCATCTTCTCCCTGTGGAGACACCTGAAG
ACCATGCACCACAATGCTACAGGCTCCAGAGATGTCAGCACCGTGGCCACATAAAGGCTTGCAAACCTG
TGGTCGCCTTCTGTTACTATATACTGTTTTGCTATGTCACTTTTTTACAGTCTTTGAGTATTGATGC
TCAACATACAAATCTTCTTCTCACTTTTTACGGTGTATAGGAGTGGCTTTCCCTCAGGCCACTCCTGT
GCCCTGATCCTGGGAAACAATAAACTGAGGCAGGCCTCTTTCTGTGATATTTGGCTGAGGTGAAGT
ACAAACATACAGAGAATCAGGGTCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001166690



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Insert Size:	939 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001166690.1</u> , <u>NP_001160162.1</u>
RefSeq Size:	939 bp
RefSeq ORF:	939 bp
Locus ID:	100310886
UniProt ID:	<u>Q67ET5</u>
Cytogenetics:	4q42
Gene Summary:	Gustducin-coupled receptor implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5 (By similarity).[UniProtKB/Swiss-Prot Function]