

Product datasheet for **RR211261**

Tas2r13 (NM_023998) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tas2r13 (NM_023998) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tas2r13
Synonyms: T2R8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211261 representing NM_023998
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAACCTGTCATTCACGTCTTTGCCACTCTACTAATACATGTGGAGTTCATTTTTGGGAATCTGAGCA
ATGGATTAATAGTGTGCAAACCTCTGGGACTGGTCGTTAAACGAAAACCTTCCACAATTGATAAAAT
TCTTCTTACATTGGCAATTTCAAGAATCACTCTCATCTGGGAAATGTATGCTTGTAAAAATTGTATAT
GGTTCATCTTCATTTATATTTGGGATGAAGTTACAAATCTTTATTTGCCTGGATCCTTTCTAGTCACT
TCAGCCTCTGGTTTGCCACAGCTCTCAGCATCTTTACTTACTCAGAATAGCTAACTGCTCCTGGAAGAT
CTTCTGTATCTGAAATGGAGACTTAAACAAGTATTGTGGGGATGTTGCTGGCAAGCTTGGTGTCTTG
CCTGGAATCCTGATGCAAAGGACTCTTGAAGAGAGGCCCTATCAATATGGAGGAAACACAAGTGAGGATT
CCATGGAAACTGACTTTGCAAAGTTTACAGAGCTGATTCTTTCAACATGACTATATTCTCTGTAATACC
ATTTTCATTGGCCTTGATTTCTTTCTCCTGCTAATCTTCTTTGTGGAACATCTCCAGAAGATGCAG
CTCAGTTCAGAGGACATGGAGACCCTAGCACCAAGGCCACAGAAATGCTTTGAGAATTATGGTCTCCT
TCCTCTTGCTCTACACTTCATATTTCTGTCTCTTCTTATATCATGGATTGCTCAGAAGCATCACAGTAA
ACTGGTTGACATTATTGGTATTATTACTGAACTCATGTATCCTTCAGTCCACTCATTTATCCTGATTCTA
GGAAATTTCAAATTAAGCAGACTTCTCTTTGGATACTGAGTCATTTGAAATGTAGACTGAAAGGAGAGA
ATATTTTAACTCCATCTGGCAAACCAATTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211261 representing NM_023998
 Red=Cloning site Green=Tags(s)

MEPVIHVFATLLIHVEFIGNLSNGLIVLSNFWDVWVKRKLSTIDKILLTAISRITLIWEMYACFKIVY
 GSSSFIFGMKLQILYFAWILSSHFLWFATALSIFYLLRIANCSWKIFLYLKWRLKQVIVGMLLASLVFL
 PGILMQRTLEERPYYQYGGNTSEDSMETDFAKFTELILFNMTIFSVIPFSLALISFLLLIFSLWKHLQKMQ
 LSSRGHGDPTKAHRNALRIMVSFLLL YTSYFLSLLISWIAQKHHSKLVDIIGIITELMYPVSHSFILIL
 GNSKLLKQTSWLWLSHLKCRKLGENILTPSGKPIN

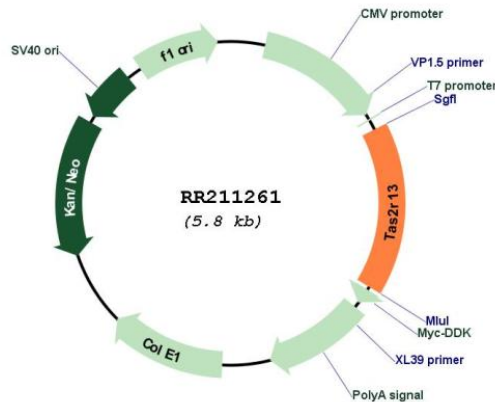
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023998

ORF Size: 942 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_023998.1 , NP_076488.1
RefSeq Size:	945 bp
RefSeq ORF:	945 bp
Locus ID:	78984
Cytogenetics:	4q42
MW:	36.3 kDa
Gene Summary:	member of a family of mammalian taste receptors that couple with the G protein subunit gustducin; may play a role in bitter taste perception [RGD, Feb 2006]