

## Product datasheet for **MR220324**

### Tas2r139 (NM\_181275) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r139 (NM_181275) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tas2r139
Synonyms:	mt2r34; Tas2r39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220324 representing NM_181275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCAACCCAGCAACTACTGGAAACAAGATGTGCTACCATTGTCTATTTTGATGTTAACTTGTGG  
CCACTGAGTGCACCATAGGTATCATTGCAAGTGGGATTGTCATGGCTGTGAATGCAGTCTCATGGTTCA  
GAAAAAGGCAATTTCCATAACTACTAGGATTCTGCTTCTCTGAGTGTATCCAGAATAGGCCTCAAAGC  
ATCATGTTGATAGAAATTACCTCCTCCATATTCAACGTTGCTTTTACAACAGTGTATATATAGAGTCT  
CAATGTAAGTTTGTATTCTTAAATTATGTAGTCTCTGGTTTGCTGCTTTGCTTAGTTTCTTCCACTT  
TGTGAAGATTGCCAATTTTCTTACCCCTGTTCTTCAAATAAAGTGGAGAATTTCTGAATTAATGCC  
TGGCTTCTGTGGCTCTCAGTGTTTATTTCTTCCAGCTCCAGCATGTTCTTCCAGCAAGCACAAGTTCACTG  
TGAACAACAACAATTCTCTAAGTAACAACATCTGCAACTTCACAATGAACTTTACGTTGTTGAGACCA  
TGTGGTCAATGTGTCTTTTTTATTCATTTCCGGAACTACTCCCTCCTTTGACAATGTTCTGTCGCAACAGCT  
ACTCTTCTGATTTTTTCTCTCAGGAGACACACCCTGAACATGAGAAACAGTGCCACTGGCTCCAGAAACC  
CCTGCATAGAGGCTCATATGCAGGCCATCAAAGAACTAGCTGTTTTCTTTCTCTACATTTTAAATGC  
AGCTGCTCTGCTTCTGTCCACATCCAACATAGTCGATGCTAGTCTCTTCTGGAGTATTGTATCAGAATT  
GTTCTGCCTGTCTACCCAGCTGGCCATTCAGTTTTACTAATTGAGAAACCCCTGGATTAAGAAGAACAT  
GGAAGCATCTTCACTCAAATTCATTTGACTTACAAAATAGATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220324 representing NM\_181275  
Red=Cloning site Green=Tags(s)

MAQPSNYWKQDVLPLSILMLTLVATECTIGIIASGIVMAVNAVSVWQKKAISITTRILLLSVSRIGLQS  
 IMLIEITSSIFNVAFYNSVLRYVSNVSVFLNYCSLWFAALLSFFHFVKIANFSYPLFFKLKWRISLMP  
 WLLWLSVVISFSSSMFFSKHKFTVNNNSLSNNICNFTMKLYVVTNVVNVSFLFISGILPPLTMFVATA  
 TLLIFSLRRHTLNMNRNSATGSRNPCIEAHMQAIKETSCFLFLYILNAAALLLSTSNIVDASLFWISIVIRI  
 VLPVYPAGHSVLLIQNNPGLRRTWKHLQSQIHLYLQNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9043\\_c04.zip](https://cdn.origene.com/chromatograms/mm9043_c04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181275

**ORF Size:** 957 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:**

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\\_181275.1](#), [NP\\_851792.1](#)

**RefSeq Size:** 960 bp

**RefSeq ORF:** 960 bp

**Locus ID:** 353148

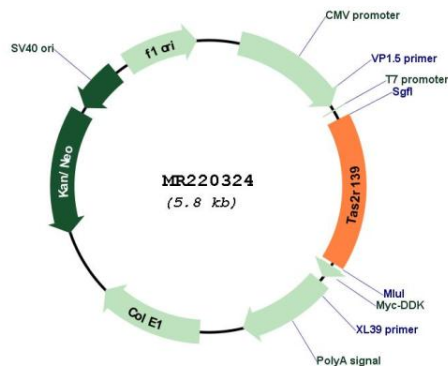
**UniProt ID:** [Q7TQA5](#)

**Cytogenetics:** 6 B2.1

**MW:** 36.8 kDa

**Gene Summary:** Putative taste receptor which may play a role in the perception of bitterness.  
[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR220324