

Product datasheet for **MG220713**

Tas2r138 (NM_001001451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r138 (NM_001001451) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tas2r138
Synonyms:	mt2r31; T2R138; Tas2r38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220713 representing NM_001001451 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGTCTGACTCCTGTCTTAAGTGTGCCTATGAAGCCAAGATTTCAATTTCTGTTCCCTTCAGCCA
TGGAGTTTGCAGTGGGAATCCTGGCCAACGCCTTCATTGTCTTGGTAAATGTTGGGATGTGGTAAAAA
GCAGCCCTTGAACAAGTGTGACATCGACTGCTGTGTCTCAGCATCACTCGGCTTTCTGCAGGGCCTT
CTGCTTCTGGATGCTATTCAGCTCGCCTGCTTCCAGCAGATGAAAGACCCACTGAGCCACAACCTACCAAG
CCATCCTCACTCTCTGGATGATTGCAAACCAAGTGAAGCCTCTGGCTGGCTGCCTGCCTCAGTCTCCTCTA
CTGCTCCAAGATTGTCCGCTTCTCTCACACCTTCCACTCCATGTAGCAAGCTGGGTCTCCAGGAGATTT
CTTCAGATGCTTCTAGTTGTTCTTCTCTCCTGCATCTGCACTGCCCTTTGTTTGTGGGACTTTTTTT
GCAGATCTCACTCCACGGTCACATCTCTACTGCACCTGAACAGCACAGAATTCAGTTTGCAAATTGCAAA
ACTCAATTTCTTTACTCGTTTATCTTCTGCAATGTGGGCTCTGTCCCCCTTCTAGCTTTCTGGTT
TCCTCGGGAGTGTGGTTATCTCCCTGGGGAGTCACATGAGGACTATGAAGTCCCAAACAGCAGCTCTG
GTGACCCAGCCTTGAGGCCACATCAGAGCCATCATATTTCTGATCTCCTTTTTCTGTTTTACGTGGT
GTCATTCTGTGCTGCTTTAATATCAATACCCTTACTGATGCTATGGCACAATAAGGGGGAGTGATGATT
TGTATAGGGATGATGGCAGCTTGTCTTCGGGACATGCAGCCATCCTGATATCAGGCAATGCTAAGCTGA
GGAGGCCATAGAGACCATGCTATTCTGGTTTCAAAGCAGGCAAAAGGTGAGACCAGTCCACAAGGTTCC
TCCAGGACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG220713 representing NM_001001451
 Red=Cloning site Green=Tags(s)

MLSLTPVLTVSYEAKISFLFLSAMEFAVGILANAFIVLVNVWDVVKQPLNNCIDIALLCISITRFLQGL
 LLLDAIQLACFQQMKDPLSHNYQAILTLWMIANQVSLWLAACLSLLYCSKIVRFSHTFPLHVASWVSRRF
 LQMLLVLLLLSCICTALCLWDFFCRSHSTVTSLLHLNSTEFLQIAKLNFFYSFIFCNVGSVPPSLAFLV
 SSGVLVISLGSHMRTMKSQTSSSGDPSLEAHIRAIIFLISFFCFYVVSFCAALISIPLLMLWHNKGGMVI
 CIGMMAACPSGHAAILISGNAKLRRAIETMLFWFQSRQKVRPVHKVPPRTL

TRTRPLE - GFP Tag - V

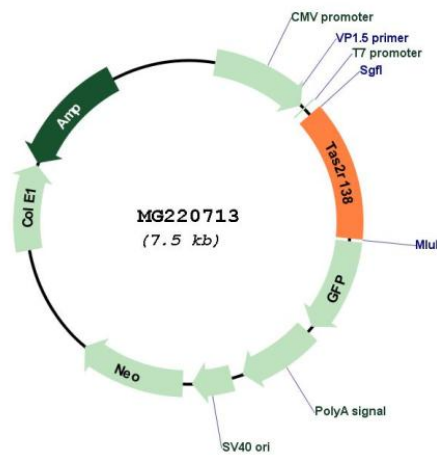
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001001451

ORF Size: 993 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_001001451.1 , NP_001001451.1
RefSeq Size:	996 bp
RefSeq ORF:	996 bp
Locus ID:	387513
UniProt ID:	Q7TQA6
Cytogenetics:	6 B1
Gene Summary:	Putative taste receptor which may play a role in the perception of bitterness. [UniProtKB/Swiss-Prot Function]