

Product datasheet for **RC220104**

TAS2R30 (NM_001097643) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAS2R30 (NM_001097643) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TAS2R30
Synonyms: T2R30; T2R47; TAS2R47
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220104 representing NM_001097643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATAACTTTTCTGCCCATCATTTTTCCATTCTAATAGTGGTTATTTGTTATTGGAAATTTTGCTA
 ATGGCTTCATAGCATTGGTAAATTCATTGAGTGGGTCAAGAGACAAAAGATCTCCTTTGTTGACCAAT
 TCTCACTGCTCTGGCGGTCTCCAGAGTTGGTTGCTCTGGGTGTTACTACTACATTGGTATGCAACTCAG
 TTGAATCCAGCTTTTTATAGTGTAGAAGTAAGAATTACTGCTTATAATGTCTGGGCAGTAACCAACCATT
 TCAGCAGCTGGCTTGCTACTAGCCTCAGCATGTTTTATTTGCTCAGGATTGCCAATTTCTCCAACCTTAT
 TTTTCTTCGCATAAAGAGGAGAGTTAAGAGTGTGTTCTGGTGACTGTGGGGCTTTGCTATTTTTG
 GTTTGTCATCTTTTTGTGATAAACATGGATGAGACTGTATGGACAAAAGAATATGAAGGAAACGTGACTT
 GGAAGATCAAATGAGGAGTGCAATGTACCATTCAAATGACTCTAACCATGCTAGCAAACCTTTGTACC
 CCTCACTCTGACCCTGATATCTTTCTGCTGTTAATCTGTTCTCTGTGTAACATCTCAAGAAGATGCAG
 CTCCATGGCAAAGGATCTCAAGATCCCAGCACCAAGGTCCACATAAAAAGCTTTGCAAACCTGTGACCTCT
 TTCTTCTGTTATGTGCCATTTACTTTCTGTCCATGATCATATCAGTTTGTAAATTTGGGAGGCTGGAAAA
 GCAACCTGTCTTCATGTTCTGCCAAGCTATTATATTCAGCTATCCTTCAACCCACCCATTCATCTGATT
 TTGGGAAACAAGAAGCTAAAGCAGATTTTTCTTTCAGTTTTGCGGCATGTGAGGTACTGGGTGAAAGACA
 GAAGCCTTCGTCTCCATAGATTCACAAGAGGGGCATTGTGTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >RC220104 representing NM_001097643
Red=Cloning site Green=Tags(s)

MITFLPIIFSILIVVIFVIGNFANGFIALVNSIEWVKRQKISFVDQILTALAVSRVGLLWVLLLHWYATQ
 LNPAFYSEVVRITAYNVWAVTNHFSSWLATSLSMFYLLRIANFSNLIFLRIKRRVKSIVLLVILLGPLLFL
 VCHLFFVINMDETVWTKEYEGNVTWKIKLRSAMYHSNMTLMLANFVPLTLTISFLLLICSLCKHLKMKQ
 LHGKGSQDPSTKVHIKALQTVTSFLLLCAIYFLSMIISVCNFRLEKQPVFMFCQAIIFSYPSTHPFILI
 LGNKLLKQIFLSVLRHVRYWVKDRSLRLHRFTRGALCVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_f08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001097643

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_001097643.1](#), [NP_001091112.1](#)

RefSeq Size: 960 bp

RefSeq ORF: 960 bp

Locus ID: 259293

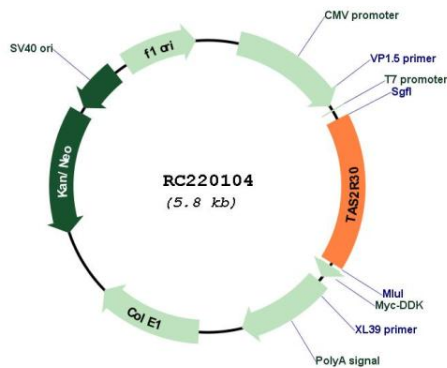
UniProt ID: [P59541](#)

Cytogenetics: 12p13.2

MW: 36.7 kDa

Gene Summary: Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC220104