

Product datasheet for **MG222338**

Htr4 (NM_008313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr4 (NM_008313) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Htr4
Synonyms:	5-HT-4; 5-HT4; 5-HT<4L>; 5HTR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222338 representing NM_008313 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACAACTTGATGCTAATGTGAGTTCCAACGAGGGTTTCAGGTCCGTGGAGAAGGTCGTGCTGCTCA
CGTTCCTTGCAGTGGTTATCCTGATGGCCATCTGGGCAACCTGCTGGTATGGTGGCTGTGTGCAGGGA
CAGGCAGCTCAGGAAAAAAAACCAACTATTTTCATTGTGTCTCTCGCCTTTGCTGACCTGCTGGTTTCG
GTGCTGGTATGCCCTTTGGTGCATTGAGCTGGTCCAAGACATCTGGGCTTATGGGAGATGTTCTGCC
TGGTCCGACCTCTCTGGATGTCTACTTACCACAGCATCGATCTTTCACCTGTGCTGTATTTCCCTGGA
CAGGTATTACGCCATCTGCTGCCAGCCTTTGGTTTATAGGAACAAGATGACCCCTCTACGCATCGCATT
ATGTTGGGAGGCTGCTGGTCCCTCCCATGTTTATATCTTTTCTCCCATAATGCAAGGCTGGAACAACA
TCGGCATAGTTGATGTAGAGAAAAGGAAATTCAGCCACAACCTCTAACTCCACGTGGTGTGCTTTCAT
GGTCAACAAGCCCTATGCTATCACCTGCTCTGTGGTGGCCTTCTACATCCCGTTTCTCCTCATGGTGTG
GCCTATTACCGAATCTATGCTACTGCTAAGGAGCATGCCAGCAGATACAGATGTTACAACGGGCAGGAG
CCACCTCTGAAAGCAGGCCCCAGCCAGCTGACCAGCACAGCACACATCGCATGAGGACAGAGACCAAGGC
AGCCAAGACTTTATGTGCATCATGGGCTGCTTCTGTTTCTGCTGGGCCCTTCTTTGTACCAATATT
GTGGACCTTTTCATAGACTACTGTCCCCGAGCAGGTGTGACTGCTTTCCTCTGGCTGGCTATATCA
ATTCGGGGTTGAACCTTTTCTCTATGCCTTCTTGAATAAGTCTTTCAGACGTGCCTTCTCATCATCCT
CTGCTGTGATGATGAGCGCTACAAAAGACCCCCATTCTGGCCAGACTGTCCCCTGTTCAACCACAACC
ATTAATGGATCCACCATGTACTAAGGGATACAGTGGAATGTGGTGGCCAGTGGGAGAGTCGGTGTCAACC
TCACAGCAACTTCTCCTTTGGTGGCTGCTCAGCCAGTGATACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222338 representing NM_008313
Red=Cloning site Green=Tags(s)

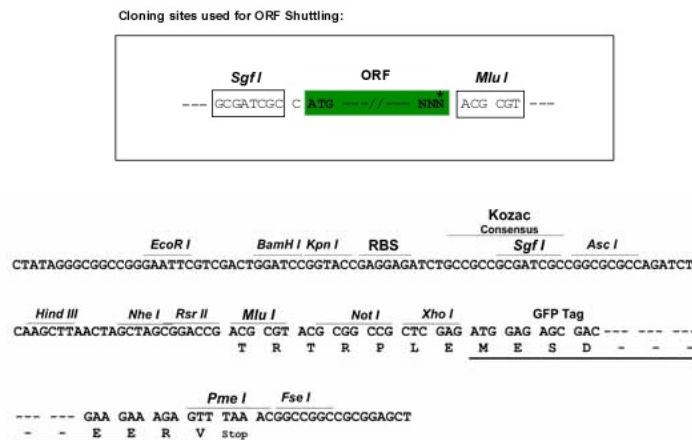
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MDKLDANVSSNEGFRSVEKVVLLTFLAVVILMAILGNLLVMVAVCRDRQLRKIKTNYFIVSLAFADLLVS
VLVMPFGAIELVQDIWAYGEMFCLVRTSLDVLLTTASIFHLCCISLDRYYAICCPQPLVYRNKMTPLRIAL
MLGGCWVLPMFISFLPIMQGWNNIGIVDVIEKRKF SHNSNSTWCVFMVKNKPYAITCSVAFYIPFLMLVL
AYYRIYVTAKEHAQQIQMLQRAGATSESRPQPADQHSHTHRMRTETKAAKTLCVIMGCF CFCWAPFFVTNI
VDPFIDYTVPEQVWTAFLWLGYINSGLNPFLYAFLNKSFRRAFLIILCCDDERYKRPPILGQTVPCSTTT
INGSTHVL RDTVECGGQWESRCHLTATSPLVAAQPSDT
```

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2749_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008313

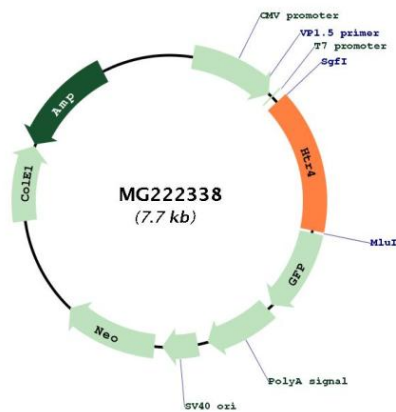
ORF Size: 1164 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_008313.4](#), [NP_032339.2](#)
- RefSeq Size:** 4657 bp
- RefSeq ORF:** 1167 bp
- Locus ID:** 15562
- UniProt ID:** [P97288](#)
- Cytogenetics:** 18 E1
- Gene Summary:** This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222338