

Product datasheet for MR222338

Htr4 (NM_008313) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Htr4 (NM_008313) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Htr4
Synonyms: 5-HT-4; 5-HT4; 5-HT<4L>; 5HTR4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222338 representing NM_008313
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAACTTGATGCTAATGTGAGTTCCAACGAGGGTTTCAGGTCCGTGGAGAAGGTCGTGCTGCTCA
 CGTTCCTTGCAGTGGTTATCCTGATGGCCATCTGGGCAACCTGCTGGTATGGTGGCTGTGTGCAGGGA
 CAGGCAGCTCAGGAAAAAAAACCAACTATTTTCATTGTGTCTCTCGCCTTTGCTGACCTGCTGGTTTCG
 GTGCTGGTATGCCCTTTGGTGCCATTGAGCTGGTCCAAGACATCTGGGCTTATGGGAGATGTTCTGCC
 TGGTCCGACCTCTCTGGATGTCTACTTACCACAGCATCGATCTTTCACCTGTGCTGTATTTCCCTGGA
 CAGGTATTACGCCATCTGCTGCCAGCCTTTGGTTTATAGGAACAAGATGACCCCTCTACGCATCGCATT
 ATGTTGGGAGGCTGCTGGTCCCTCCCATGTTTATATCTTTTCTCCCATAATGCAAGGCTGGAACAACA
 TCGGCATAGTTGATGTAGAGAAAAGGAAATTCAGCCACAACCTAACTCCACGTGGTGTGCTTTCAT
 GGTCAACAAGCCCTATGCTATCACCTGCTCTGTGGTGGCCTTCTACATCCCGTTTCTCCTCATGGTGTG
 GCCTATTACCGAATCTATGCTACTGCTAAGGAGCATGCCAGCAGATACAGATGTTACAACGGGCAGGAG
 CCACCTCTGAAAGCAGGCCCCAGCCAGCTGACCAGCACAGCACACATCGCATGAGGACAGAGACCAAGGC
 AGCCAAGACTTTATGTGCATCATGGGCTGCTTCTGTTTCTGCTGGGCCCTTCTTTGTCAACCAATATT
 GTGGACCTTTTCATAGACTACACTGTCCCCGAGCAGGTGTGACTGCTTTCCTCTGGCTTGGCTATATCA
 ATTCGGGGTTGAACCTTTTCTCTATGCCTTCTTGAATAAGTCTTTCAGACGTGCCTTCTCATCATCCT
 CTGCTGTGATGATGAGCGCTACAAAAGACCCCCATTCTGGCCAGACTGTCCCCTGTTCAACCACAACC
 ATTAATGGATCCACCATGTACTAAGGGATACAGTGGAATGTGGTGGCCAGTGGGAGAGTCGGTGTCAACC
 TCACAGCAACTTCTCCTTTGGTGGCTGCTCAGCCAGTGATACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222338 representing NM_008313
 Red=Cloning site Green=Tags(s)

MDKLDANVSSNEGFRSVEKVLLTFLAVVILMAILGNLLVMVAVCRDRQLRKIKTNYFIVSLAFADLLVS
 VLVMFPFGAIELVQDIWAYGEMFCLVRTSLDVLLTTASIFHLCCISLDRYYAICQPLVYRNKMTPLRIAL
 MLGGCWVLPMFISFLPIMQGWNNIGIVDVIEKRKF SHNSNSTWCVFMVKNKPYAITCSVVAFYIPFLMLVL
 AYYRIYVTAKEHAQQIQMLQRAGATSESRPQPADQHSTHRMRTETKAAKTL CVIMGCFCFCWAPFFVTNI
 VDPFIDYVPEQVWTAFLWLG YINSGLNPFLYAF LNKSFRR AFL IILCCDDERYKRPPILGQTVPCSTTT
 INGSTHVL RDTVECGQWESRCHLTATSPLVAAQPSDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2014_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008313

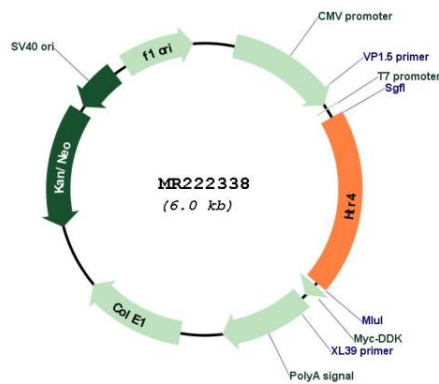
ORF Size: 1164 bp

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:	<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:	<u>NM_008313.4, NP_032339.2</u>
RefSeq Size:	4657 bp
RefSeq ORF:	1167 bp
Locus ID:	15562
UniProt ID:	<u>P97288</u>
Cytogenetics:	18 E1
MW:	44.4 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for MR222338