

## Product datasheet for MR218716

### Htr1f (NM\_008310) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htr1f (NM_008310) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htr1f
Synonyms:	Htr1eb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218716 representing NM_008310 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTTTTAAACGCATCAGACCAAACTTGACCTCTGAGGAAGTGTAAACCGAATGCCATCCAAA  
TTCTGGTATCCCTCACTCTGTCTGGGCTGGCATTGATGACAACCACCATCACTCCCTCGTGATCGCTGC  
GATCATTGTGACTCGGAAGCTGCACCACCCAGCCAATTTAATTTGTTCCCTGGCAGTTACAGATTTT  
CTTGTAGCTGCCTGGTGTGCCCTTCAGTATTGTGTACATTGTGAGAGAGAGCTGGATTATGGGACAAG  
TACTCTGTGACATTTGGCTGAGTGTGACATCATCTGTTGTACGTGTTCCATCTTGCATCTGTCGGCTAT  
AGCCTTGGATAGGTACCGCGCCATCACAGATGCAGTTGAATACGCCAGGAAGAGGACTCCAGGCATGCC  
GGCATCATGATACGATCGTGTGGTTATATCTGTGTTTCTCTATGCCTCCTCTTTCTGGAGGCACC  
AAGGAAGTAGCCGTGATGATGAGTGTGTCATCAAACATGACCACATTGTTCCACAATTTACTCCAGTT  
TGGAGCTTTTACATCCCGCTTGTATTGATATTGATCCTCTACTACAAAATATACAGAGCAGCAAGGACA  
CTGTACCACAAGAGACAAGCGAGTCGGATGATAAAGGAGGAGCTGAACGGTCAAGTCTTCTGGAGAGCG  
GTGAGAAGAGCATTAACTGGTCTCCACATCCTACATGTTAGAAAAATCCTTGTCCGATCCATCAACGGA  
CTTTGATAGAATTCACAGCACCGTGAAAAGTCCCAGATCGGAAGTGAAGCATGAGAAATCTTGGAGAAGA  
CAGAAAATCTCAGGCACCAGAGAACGCAAGCAGCCACTACCCTGGGATTGATCTTGGGTGATTTGTAA  
TATGTTGGCTGCCCTTTTTGTAAAAGAATTGGTTGTTAATGTCTGTGAAAAATGTAATAATTTCTGAAGA  
AATGTCAAATTTTTGGCATGGCTTGGTTACCTGAATTCCTTATAAATCCACTGATTTATACCATCTTT  
AATGAAGACTTCAAGAAAGCTTTCCAAAACCTTGTACGATGCCGATAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR218716 representing NM\_008310  
Red=Cloning site Green=Tags(s)

MDFLNASDQNLTSELLNRMPKILVSLTSLGLALMTTINSLVIAAIIIVTRKLHHPANYLICSLAVTDF  
 LVAVLVMPFSIVYIVRESWIMGQVLCDIWLSVDIICCTCSILHLSAIALDRYRAITDAVEYARKRTPRHA  
 GIMITIVWVISVFI SMPPLFWRHQGTSRDDECVIKHDHIVSTIYSTFGAFYIPLVLILILYKIIYRAART  
 LYHKRQASRMKEELNGQVFLESGEKSIKLVSTSYMLEKSLSDPSTDFDRIHSTVKSPRSELKHEKSWRR  
 QKISGTRERKAATTLGLILGAFVICWLPFFVKELVVNVCEKCKISEEMSNFLAWLGYLNSLINPLIYTIIF  
 NEDFKKAFQKLVRCRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9019\\_d10.zip](https://cdn.origene.com/chromatograms/mm9019_d10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008310

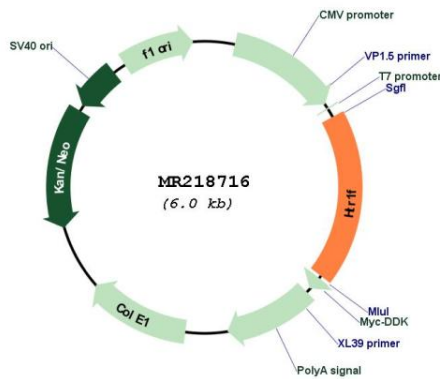
**ORF Size:** 1098 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_008310.3</a></u> , <u><a href="#">NP_032336.1</a></u>
<b>RefSeq Size:</b>	2509 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	15557
<b>UniProt ID:</b>	<u><a href="#">Q02284</a></u>
<b>Cytogenetics:</b>	16 37.1 cM
<b>MW:</b>	42.4 kDa
<b>Gene Summary:</b>	G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various alkaloids and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218716