

## Product datasheet for MR229566

### Htr1d (NM\_001285483) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htr1d (NM_001285483) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htr1d
Synonyms:	5-HT-1D; 5-HT1D; AI853647; Gpcr14; Htr1db
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229566 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTCCTCAAACCAGTCCCTAGAAGGCCTTCTCAGGAGGCCTCCAACAGATCCCTGAATGTGACAG  
GGGCTTGGGACCCAGAGGTCCTGCAGGCTCTCAGAATCTCGTCGTTGGTGGTGTCCGTCATCACACT  
GGCCACTGTCTCTCCAATGCCTTCGTCTTACCACCATCTACTACCAAGAAGCTCCACACCCAGCC  
AATTATCTCATTGGCTCCTTGGCCACCACGGACCTCTGGTTTCTATCTTGGTCATGCCATCAGCATAG  
CCTACACCACCACCCGCACCTGGAACCTTGGCCAGATCCTGTGTGACATCTGGGTGTCTTCTGACATCAC  
GTGCTGCACGGCCTCCATCTTGATCTCTGTGTCATTGCTCTGGACAGATACTGGCCATCACCGATGCC  
CTGGAGTACAGCAAGCGTCGAACCGCAGGCCACGCAGCAGCCATGATTGCGGCCGTCTGGATCATCTCTA  
TTTGTATCTCCATCCCTCCACTCTTCTGGCGGCAGGCCACGGCTCACGAGGAGATGTCCGACTGCCTGGT  
GAACACATCTCAGATTTCTTACACCATCTACTCGACCTGTGGCGCCTTCTATATCCCATCCATCTTGCTC  
ATTATCTGTATGGCCGCATATACGTGGCCGCCGGAGTCGAATCCTGAACCCACCTCCCTCTACGGGA  
AGCGCTTACCACGGCACAGCTTATCACAGGCTCTGTGGCTCTTCGCTCTGCTCGCTCAACCCAGCCT  
CCATGAGAGCCACACACACAGTTGGCTCCCCCTCTTTTTCAACCAGGTGAAAATCAAGCTTGGCTGAT  
AGCATCCTAGAACGCAAGAGGATCTCTGCAGCCGAGAAAGGAAAGCCACTAAGACCCCTGGGCATCATT  
TGGGGCCTTTATCATCTGCTGGTTGCCTTTCTTTGTAGTATCATTGGTCTCCCATCTGCAGGGACTC  
TTGTTGGATCCACCCGGCCCTTTTGAATCTTTCACGTGGCTAGGTTATTTAAACTCTCTCATTAACCC  
GTCATCTACACTGTGTTCAACGAAGACTTTCGACAAGCGTTTCAGAAAGTCGTCCATTTCCGGAAGATCT  
CA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR229566 protein sequence  
 Red=Cloning site Green=Tags(s)

MSPPNQSLLEGLPQEASNRLNVTGAWDPEVLQALRISLVVLSVITLATVLSNAFVLTITLLTKKLHTPA  
 NYLIGSLATDDLVSILVMPISIAYTTRTWNFQILCDIWWSSDITCCTASILHLCVIALDRYWAITDA  
 LEYSKRRTAGHAAAMIAAVWIIISICISIPPLFWRQATAHEEMSDCLVNTSQISYTIYSTCGAFYIPSILL  
 IILYGRIVVAARSRLNPPSLYGKRFTTAQLITGSAGSSSLCSLNPSLHESHTHTVGSPLFFNQVKIKLAD  
 SILERKRISAARERKATKTLGIILGAFIICWLPFFVVSLLPICRDSWHPALFDFFTWLGYLNSLINP  
 VIYTVFNEDFRQAFQKVVFHFRKIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001285483

**ORF Size:** 1122 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\\_001285483.1](#), [NP\\_001272412.1](#)

**RefSeq Size:** 2901 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 15552

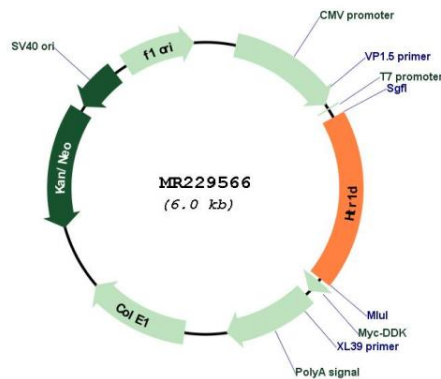
**UniProt ID:** [Q61224](#)

**Cytogenetics:** 4 68.74 cM

**MW:** 41.6 kDa

**Gene Summary:** 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. Regulates the release of 5-hydroxytryptamine in the brain, and thereby affects neural activity. May also play a role in regulating the release of other neurotransmitters. May play a role in vasoconstriction.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR229566