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Product datasheet for MC227356

Htr1d (NM_001285484) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr1d (NM_001285484) Mouse Untagged Clone
Tag:	Tag Free
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)

Fully Sequenced ORF:

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>MC227356 representing NM_001285484
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCCTCCAAACCAGTCCCTAGAAGGCCTTCCTCAGGAGGCCTCCAACAGATCCCTGAATGTGACAG
GGGCTTGGGACCCAGAGGTCCTGCAGGCTCTCAGAATCTCGCTCGTGGTGGTGCTGTCCGTCATCACACT
GGCCACTGTCCTCTCCAATGCCTTCGTCCTTACCACCATTCTACTCACCAAGAAGCTCCACACCCCAGCC
AATTATCTCATTGGCTCCTTGGCCACCACGGACCTCCTGGTTTCTATCTTGGTCATGCCCATCAGCATAG
CCTACACCACCACCCGCACCTGGAACTTTGGCCAGATCCTGTGTGACATCTGGGTGTCTTCTGACATCAC
GTGCTGCACGGCCTCCATCTTGCATCTCTGTGTCATTGCTCTGGACAGATACTGGGCCATCACCGATGCC
CTGGAGTACAGCAAGCGTCGAACCGCAGGCCACGCAGCAGCCATGATTGCGGCCGTCTGGATCATCTCTA
TTTGTATCTCCATCCCTCCACTCTTCTGGCGGCAGGCCACGGCTCACGAGGAGATGTCCGACTGCCTGGT
GAACACATCTCAGATTTCTTACACCATCTACTCGACCTGTGGCGCCTTCTATATCCCATCCATCTTGCTC
ATTATCCTGTATGGCCGCATATACGTGGCCGCCCGGAGTCGAATCCTGAACCCACCCTCCCTCTACGGGA
AGCGCTTCACCACGGCACAGCTTATCACAGGCTCTGCTGGCTCTTCGCTCTGCTCGCTCAACCCCAGCCT
CCATGAGAGCCACACACACACAGTTGGCTCCCCTCTCTTTTTCAACCAGGTGAAAATCAAGCTTGCTGAT
AGCATCCTAGAACGCAAGAGGATCTCTGCAGCCCGAGAAAGGAAAGCCACTAAGACCCTGGGCATCATTC
TGGGGGCCTTTATCATCTGCTGGTTGCCTTTCTTTGTAGTATCATTGGTCCTCCCCATCTGCAGGGACTC
TTGTTGGATCCACCCGGCCCTCTTTGACTTCTTCACGTGGCTAGGTTATTTAAACTCTCTCATTAACCCC
GTCATCTACACTGTGTTCAACGAAGACTTTCGACAAGCGTTTCAGAAAGTCGTCCATTTCCGGAAGATCT
CATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001285484
Insert Size:	1125 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001285484.1, NP_001272413.1
RefSeq Size:	2808 bp
RefSeq ORF:	1125 bp
Locus ID:	15552
UniProt ID:	Q61224
Cytogenetics:	4 68.74 cM
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] Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 all encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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