

Product datasheet for SC119613

HTR1D (NM_000864) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HTR1D (NM_000864) Human Untagged Clone
Tag: Tag Free
Symbol: HTR1D
Synonyms: 5-HT1D; HT1DA; HTR1DA; HTRL; RDC4
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000864, RT-PCR generated
 ATGTCCCCACTGAACCAAGTCAGCAGAAGGCCTTCCCCAGGAGGCCTCCAACAGATCCCTG
 AATGCCACAGAAACCTCAGAGGCTTGGGATCCCAGGACCCTCCAGGCGCTCAAGATCTCC
 CTTGCCGTGGTCTTTCCGTCATCACACTGGCCACAGTCTCTCCAATGCCTTTGTA
 ACTACCACCATCTTACTCACCAGGAAGCTCCACACCCTGCCAACTACCTGATTGGCTCCCTG
 GCCACCACCGACCTCTTGGTTTCCATCTTGGTAATGCCCATCAGCATCGCCTATACCATC
 ACCCACACCTGGAACCTTTGGCCAAATCTGTGTGACATCTGGCTGTCTCTGACATCAGG
 TGCTGCACAGCCTCCATCCTGCATCTCTGTGTCATTGCTCTGGACAGGTAAGTGGCAATC
 ACAGATGCCCTGGAATACAGTAAACGCAGGACGGCTGGCCACGCGCCACCATGATCGCC
 ATTGTCTGGGCCATCTCCATCTGCATCTCCATCCCCCGCTCTTCTGGCGGCAGGCCAAG
 GCCCAGGAGGAGATGTCGGACTGTCTGGTGAACACCTCTCAGATTTCTACACCATCTAC
 TCCACCTGTGGGCCTTCTACATTCCCTCGGTGTGCTCATCATCTATATGGCCGGATC
 TACCGGGCTGCCCGAACCAGCATCTGAATCCACCCTCACTCTATGGGAAGCGCTTACC
 ACGGCCACCTCATCACAGGCTCTGCCGGTCTCGCTCTGCTCGCTCAACTCCAGCCTC
 CATGAGGGGCACTCGCACTCGGCTGGCTCCCCTCTTTTTTCAACCACGTGAAAAACAAG
 CTTGCTGACAGTGCCTGGAACGCAAGAGGATTCTGTGCTCGAGAAAGGAAAGCCACT
 AAAATCCTGGGCATCATTCTGGGGCCTTTATCATCTGCTGGCTGCCCTTCTTCGTGGT
 TCTCTGGTCTCCCATCTGCCGGGACTCTGCTGGATCCACCCGGCGCTTTTGACTTC
 TTCACCTGGCTAGGCTATTTAAACTCCCTCATCAATCCAATAATCTACACTGTGTTAAT
 GAAGAGTTTCGGCAAGCTTTTCAGAAAAATTGTCCTTTCCGGAAGGCCTCCTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000864 unedited GGAACGAGATTTGTTAAACGACTTACTATAGGCGGCCGCGNAATCANATCTGGTACCG AGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTGAGGTCTGTGGGA AGAGAGAGCCACCTAGCATGTCCCCACTGAACCAGTCAGCAGAAGGCCTCCCCAGGAGG CCTCCAACAGATCCCTGAATGCCACAGAAACCTCAGAGGCTTGGGATCCCAGGACCCTCC AGGCGCTCAAGATCTCCCTTGCCGTGGTCTTTCCGTCATCACACTGGCCACAGTCTCT CCAATGCCTTTGTAATCACCACCATCTTACTCACCAGGAAGCTCCACACCCTGCCAAT ACCTGATTGGCTCCCTGGCCACCACCGACCTCTTGGTTTCCATCTTGGTAATGCCCATCA GCATCGCCTATACCATACCCACACCTGGAACCTTGGCCAAATCTGTGTGACATCTGGC TGTCTCTGACATCACGTGCTGCACAGCCTCCATCCTGCATCTCTGTGTCATTGCTCTGG ACAGGTAAGGCAATCAGATGCCCTGGAATACAGTAAACGCAGGACGGCTGGCCACG CGGCCACCATGATCGCCATTGTCTGGGCCATCTCCATCTGCATCTCCATCCCCCGCTCT TCTGGCGGAGGCAAGGCCAGGAGAGATGTCGGACTGTCTGGTGAACACCTCTCAGA TTTCTACACCATCTACTCCACCTGTGGGGCTTCTACATTCCCTCGGTGTTGCTCATCA TCCTATATGGGCCGGATCTACCGGGCTGCCCGGAACCGCATCCTGAATCCACCCTCACTC TATGGGGAGCGCTTACCACGGCCACCTCATCACAGGCTCTGCCGGTACTCGCTCTGC TCGCTCACTCCAGCCTCCATGAGGGGCACT
Restriction Sites:	Please inquire
ACCN:	NM_000864
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).
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:	NM_000864.3 , NP_000855.1
RefSeq Size:	2855 bp
RefSeq ORF:	1134 bp
Locus ID:	3352
UniProt ID:	P28221
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Gene Summary:

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other 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]