

Product datasheet for **SC123811**

HTR1D (BC007720) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTR1D (BC007720) Human Untagged Clone
Tag:	Tag Free
Symbol:	HTR1D
Synonyms:	5-HT1D; 5-hydroxytryptamine (serotonin) receptor 1D; HT1DA; HTR1DA; HTRL; OTTHUMP00000003270; RDC4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC007720 edited

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CTAAATCCAGAATCGTTTCAATTACTGTGAGGGGAATTCTGAAGTTCTCATTAAACACAC
GAATGTCTCAAGCTTTGAAAAGAGCCAGATGCCAAAGGCAAGAATCCCAGGGCATTGCC
ACCTGGGTGTGATCCCCTGATAATTGTCTAACAAATTCAGCATGTGTCCCCTGGGCATGA
CCATCTGCTGGGAAAAGTTCCAGGACCCGAGACATCTTGGGATCCTGTGGTTTAGGAA
AGACCTTTAACTACCAGCTGGTAGTTGTCTCAGCATTCTTCAAATAGTCCGGTCTTGTTT
AATATTATTATTATTATTATTATTATTATTATTATTATTATTGCAACTGTACTTAGAGAAATAG
TCTGGTCTTGAGACCTTTTCACTGTGGTCTGTTCTGGTGTACGGCTCCCACCAAGTGTGAA
GCAGAAGGATGACTTTGCTCTGTGTGTCAGGACAACCTTGAAGGAAGGAGCCAAATGTGTG
GAGGTCTGTGGGAAGAGAGAGCCACCTAGCATGTCCCCTGAACCAGTCAGCAGAAGGC
CTTCCCCAGGAGGCTCCAACAGATCCCTGAATGCCACAGAAACCTCAGAGGCTTGGGAT
CCCAGGACCCCTCAGGCGCTCAAGATCTCCCTTGGCGTGGTCTTTCCGTCATCACACTG
GCCACAGTCTCTCCAATGCCTTTGTACTCACCACCATCTTACTCACCAGGAAGTCCAC
ACCCCTGCCAACTACCTGATTGGCTCCCTGGCCACCACCGACCTCTTGGTTTCCATCTTG
GTAATGCCCATCAGCATGCCTATACCATACCCACACCTGGAACCTTTGGCCAAATCTTG
TGTGACATCTGGCTGTCCCTCTGACATCACGTGCTGCACAGCCTCCATCCTGCATCTCTGT
GTCATTGCTCTGGACAGGTACTGGGCAATCACAGATGCCCTGGAATACAGTAAACGCAGG
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ATCCCCCGCTCTTCTGGCGGCAGGCCAAGGCCAGGAGAGATGTCGGACTGTCTGGTG
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GTGTTGCTCATCATCCTATATGGCCGGATCTACCGGGCTGCCCGAACCAGCATCCTGAAT
CCACCCCTACTCTATGGGAAGCGCTTACCACGCGCCACCTCATCACAGGCTCTGCCGGG
TCTCTCGTCTGCTCGCTCAACTCCAGCCTCCATGAGGGGCACTGCACCTCGGCTGGCTCC
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CTGCCTCAGCCTCCAGAGTAGCTGGGACTACAAACGTGTGTACCAGGCCAGCTAATTT
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ACCTTGATTGAAAAATAATCCATGCGTTTCTTCCACTGAGTCTTTCTTAGATTAATTC
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TGGAGAGAGATTGAGAAGTTAGGGGTAGCGGGGTAGGATGGTTGGGACCAGATTGACTA
CCCTGTACCCTTCTTCTCCCCAATATGCCTGCGCCATCTTACATTCTGAAGTTGAAA
CCCATGATCACCCCTTTGAGGTAGATTGACCGGCTTTAGACGCCACCCCCACCCACCCG
CAAGCTTTGAGTGGGACACCATTTCTGAATTTTTTTTCTGAATTTTTTTTTAACATCTCTT
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GACATCATGGCCAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for BC007720 unedited
 NCCTGTACATTTGTAACGACTCATATAGGCGGCACGCGAATTCGCACGAGGCTAAATC
 CATAATCGTTTCAATTACTGTGAGGGGAATTCTGAAGTTCTCATTAAACACACGAATGTC
 TCAAGCTTTGAAAAGAGCCAGATGCCAAAGGCAAGAATCCCAGGGCATTGCCACCTGGG
 TGTGATCCCCTGATAATTGTCTAACAAATTCAGCATGTGTCCCCTGGGCATGACCATCTG
 CTGGGAAAAGTTCCAGGACCCTGAGACATCTTGGGATTCCTGTGGTTTAGGAAAAGACCTT
 TAACTACCAGCTGGTAGTTGTCTCAGCATTCTTCAAATAGTCCGGTCTTGTTTAATATTA
 TTATTATTATTGTTATTTAATTTTATTTTATTGCAACTGTAAGAGAATAGTCTGGTC
 TTGAGACCTTTTCACTGTGGTCTGTTCTGGTGTACGGCTCCCACCAAGTGTGAAGCAGAAG
 GATGACTTTGCTCTGTTGTGAGGACAACCTTGAAGGAAGGAGCCAAATGTGTGGAGGTCT
 GTGGGAAGAGAGACCACCTAGCATGTCCCCTACTGAACCAGTCAGCAGAAGGCCTTCCCC
 AGGAGGCCTCCAACAGATCCCTGAATGCCACAGATACCTCAGAGGCTTGGGATCCCAGGA
 CCCTCCAGGCGCTCAAGATCTCCCTTGCCGTGGTCTTTCCGTATCACACTGGCCACAG
 TCCTCTCCAATGCCTTTGTACTACCACCATCTTACTACCAGGAAGCTNCCACACCCTG
 GCAACTACCTGATTGGCTCCNTGGCCACCACCGACCTCTGGTTTCCCATCTGGTAATGC
 CCATCACCATCGNCTATACCATACCCACACCTGGAACCTTGGCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for BC007720 unedited
 GGACTGGTGTCTCAGCTTTTTTATTTGAAANACTCACATCTCTAAGAGTTTTTCAGATCTCT
 AATGAGAAAGAAGATGTTAAAAAAAATTCAGAAAAAAAATTCAGAATGGTGTCCCCT
 CAAAGCTTGCCGTGGGTGGGGGTGGGCGTCTAAAGCCGGTCAATCTACCTCAAAGGGT
 GATCATGGGTTTCAACTTCAGAATGTGAAGATGGCGCAGGCATATTGGGGAAGAAGGAAG
 GGTACAGGGTAGTCAATCTGGTCCCAACCATCCTACCCCGCTACCCCTAACTTCTGAAT
 CTCTCTCCAAGTCACTCTATATCATCGGCACTGCAAATACTGTCTTTCTTTCACGGACA
 ACTGGGAGAGATTTAATCTAAGAAAGACTCAGTGAAGAAACGCATGGATATTATTTTCC
 AATCAAGGTGCCACACAGAATGGAGACCATCCTGGCTCCAAATCTCTTTCAATTCAGG
 TCATTAATCTTATTCACCTCCTTTAAGCTCCATATAGATCTCAGGTAGACCAGAGAGCC
 TTCCCTCTGAGTCTGGNGTCTTTCTATAATCAAACAGTTTCTCACCTGAACTGTATCAA
 CCAGGAATCTTGTAGGTCACACACTTCTTCCAACAAAGAGGAAGTGTGAAAACATTATGT
 TGGCCAGGCACAGTGGCTCATGCCTGTAATCCCAGCACTTTGNGATGCTGANNGCGGGCG
 ATCACGANGTCAAGAGATCGAGACCACCTGGCCAACATGATGAAACCCGCTTTTATTA
 AAATACANAATTTAGCTGGCCTGGTGACACACGNTNTGTAGTCCCAGCTACTCTGGAGGCT
 GAGGCAGAATCTTTGAAACCCGGATGCCGAGGTTGCAGTGAGCTGAGATTGTGCCACTA
 CACTCCAGCCTGGCGAGAGGGCAAGA

Restriction Sites:

Please inquire

ACCN:

BC007720

Insert Size:

3000 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).

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:	BC007720.2 , AAH07720.1
RefSeq Size:	2855 bp
RefSeq ORF:	1131 bp
Locus ID:	3352
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]