

## Product datasheet for **SC307429**

### HTR3D (NM\_182537) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HTR3D (NM\_182537) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HTR3D  
**Synonyms:** 5HT3D  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_182537 edited  
GCCCTTCACCTGAACAAGGAGAGGGTGGTGGCATGGGACCTTCCTCGAGTTAATCA  
CTAGATGAAAGCTGCTATTCCAGGATTCACACCTTCAACTGGTGACATCGTTCCTGTGG  
CTAAATATGCATCAGTGTGGATCAGACACCTGCAGGTCTCATGGCTAGTATGTCAATAGT  
GAAGGCCACATCAAACAATAAGCCAATGTGGGTGGCCAGCATCTGCAAAGTGGACACC  
TTCTATTTCCCCTTCCATGGACAGAGGTGAACGCTCTCCTTCAGCCCTTTCACCTACACA  
GGTGGCCATCAGGCGCAGGTGCAGGCCAGCCCTACGTGGTAAACTTTCTGGTGCCAG  
TGGCATTCTGATTGCCATCGATGCCCTCAGTTTCTACCTGCCACTGGAAAGTGGGAATTG  
TGCCCCATTCAAGATGACTGTTCTGCTGGGCTACAGCGTCTTCTGCTCATGATGAATGA  
CTTGCTCCAGCCACTAGCACTTCATCACATGCTTCACTAGTACGTCCTCATCCATCAAG  
AGACAAAAGCGAGGTGTCTACTTCGCCCTGTGCCTGTCCCTGATGGTGGGCAGCCTGCT  
GGAGACCATCTTCATCACCCACCTGCTGCACGTGGCCACCACCCAGCCCTACCTCTGCC  
TCGGTGGCTCCACTCCCTGCTGCTGCACTGCACCGGCCAAGGGAGATGCTGTCCCCTGC  
GCCCCAGAAGGGAAATAAGGGCCCGGTCTCACCCACCCACCTGCCCGGTGTGAAGGA  
GCCAGAGGTATCAGCAGGGCAGATGCCAGGCCCTGGGGAGGCAGAGCTGACAGGGGGCTC  
AGAATGGACAAGGGCCAGCGGGAACACGAGGCCAGAAGCAGCACTCGGTGGAGCTGTG  
GGTGCAGTTCAGCCACGCGATGGACGCCCTGCTTCCACCTCTACCTGCTCTTCATGGC  
CTCCTCCATCATCACCGTTATATGCCTCTGGAACACCTAGGCAGGTGCTCACCTGCCAAC  
TTCAGTCTGGACTTCTTTTTGCCAAAGAACTCCAGAAACCAGTCAGGCTCATGTTCAGT  
CCAAATTTTCAGCCTTGTGGCCCTGTCAACCGCCTCATTTTTAACCCAGTCTCTGTGTAG  
TTTCAGGCCAGACCTGAATAGTCTCCTATGCCCTCCAAAAGTCGGGTCTTGTCTCTGCA  
TGCCATCAGCCCCACTCAGCCCTCCCATACCTCCCTGGGATTTAAAGGGC

**Restriction Sites:** Please inquire  
**ACCN:** NM\_182537  
**Insert Size:** 1200 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to contain 2 SNPs compared with NM_182537.2.
<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>	<a href="#">NM_182537.2</a> , <a href="#">NP_872343.2</a>
<b>RefSeq Size:</b>	1486 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	200909
<b>UniProt ID:</b>	<a href="#">Q70Z44</a>
<b>Cytogenetics:</b>	3q27.1
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit D of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a mitogen and a hormone. This hormone has been linked to neuropsychiatric disorders, including anxiety, depression, and migraine. Serotonin receptors causes fast and depolarizing responses in neurons following activation. The genes encoding subunits C, D and E of this type 3 receptor form a cluster on chromosome 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]</p> <p>Transcript Variant: This variant (2) differs in the presence and absence of exons at its 5' end, and uses a downstream translational start codon, compared to variant 3. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 3. 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.</p>