

## Product datasheet for **SC311001**

### 5HT4 Receptor (HTR4) (NM\_001040171) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5HT4 Receptor (HTR4) (NM_001040171) Human Untagged Clone
Tag:	Tag Free
Symbol:	5HT4 Receptor
Synonyms:	5-HT4; 5-HT4R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001040171 edited  
 ATGGACAAACTTGATGCTAATGTGAGTTCTGAGGAGGTTTCGGGTCAGTGGAGAAGGTG  
 TGCTGCTCACGTTTCTCTCGACGTTATCCTGATGGCCATCTTGGGGAACCTGCTGGT  
 ATGGTGGCTGTGTGCTGGGACAGGCAGCTCAGGAAAATAAAAACAAATTATTTTCATTGTA  
 TCTCTTGCTTTTGC GGATCTGCTGGTTTCGGTGCTGGTATGCCCTTTGGTGCCATTGAG  
 CTGTTCAAGACATCTGGATTTATGGGAGGTGTTTTGTCTTGTTCGGACATCTCTGGAC  
 GTCCTGCTCACAACGGCATCGATTTTTACCTGTGCTGCATTTCTCTGGATAGGTATTAC  
 GCCATCTGCTGCCAGCCTTTGGTCTATAGGAACAAGATGACCCCTCTGCCATCGCATT  
 ATGCTGGGAGGCTGCTGGGTCATCCCCACGTTTATTTCTTTTCTCCCTAATGCAAGGC  
 TGAATAACATTGGCATAATTGATTTGATAGAAAAGAGGAAGTTCAACCAGAACTCTAAC  
 TCTACGTACTGTCTTTCATGGTCAACAAGCCCTACGCCATCACCTGCTCTGTGGTGCC  
 TTCTACATCCCATTTCTCCTCATGGTGCTGGCCTATTACCGCATCTATGTCACAGCTAAG  
 GAGCATGCCCATCAGATCCAGATGTTACAACGGGCAGGAGCCTCCTCCGAGAGCAGGCCT  
 CAGTCGGCAGACCAGCATAGCACTCATCGCATGAGGACAGAGACCAAAGCAGCCAAGACC  
 CTGTGCATCATATGGGTTGCTTCTGCCTCTGCTGGGCACCATTCTTTGTACCAATATT  
 GTGGATCCTTTTCATAGACTACACTGTCCCTGGGCAGGTGTGGACTGCTTTCCTCTGGCTC  
 GGCTATATCAATCCGGGTTGAACCCCTTTCTCTACGCCTTCTGAATAAGTCTTTTAGA  
 CGTGCCTTCTCATCATCCTCTGCTGTGATGATGAGCGCTACCGAAGACCTTCCATTCTG  
 GGCCAGACTGTCCCTTGTCAACCACAACCATTAATGGATCCACACATGTAATAAGATTT  
 TGA

Restriction Sites:	Please inquire
ACCN:	NM_001040171
Insert Size:	1100 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 be a perfect match to NM_001040171.1.
<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>	<u>NM_001040171.1, NP_001035261.1</u>
<b>RefSeq Size:</b>	1355 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	3360
<b>Cytogenetics:</b>	5q32
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (d) uses an alternate in-frame exon in the 3' coding region, compared to variant b, resulting in a shorter protein (isoform d) that has a distinct C-terminus, compared to isoform b.</p>