

## Product datasheet for **SC311000**

### 5HT4 Receptor (HTR4) (NM\_001040169) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                                      |
| Product Name:             | 5HT4 Receptor (HTR4) (NM_001040169) Human Untagged Clone |
| Tag:                      | Tag Free   |
| Symbol:                   | 5HT4 Receptor  |
| Synonyms:                 | 5-HT4; 5-HT4R  |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u>pCMV6-XL4</u>   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                   |

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001040169 edited  
 ATGGACAAACTTGATGCTAATGTGAGTTCTGAGGAGGGTTTCGGGTCAGTGGAGAAGGTG  
 TGCTGCTCACGTTTCTCTCGACGTTATCCTGATGGCCATCTTGGGGAACCTGCTGGTG  
 ATGGTGGCTGTGTGCTGGGACAGGCAGCTCAGGAAAATAAAAACAAATTATTTCATTGTA  
 TCTCTTGCTTTTGC GGATCTGCTGGTTTCGGTGCTGGTGATGCCCTTTGGTGCCATTGAG  
 CTGTTTCAAGACATCTGGATTTATGGGAGGTGTTTTGTCTTGTTCGGACATCTCTGGAC  
 GTCCTGCTCACAACGGCATCGATTTTTACCTGTGCTGCATTTCTCTGGATAGGTATTAC  
 GCCATCTGCTGCCAGCCTTTGGTCTATAGGAACAAGATGACCCCTCTGCGCATCGCATT  
 ATGCTGGGAGGCTGCTGGGTATCCCCACGTTTATTTCTTTCTCCCTATAATGCAAGGC  
 TGAATAACATTGGCATAATTGATTTGATAGAAAAGAGGAAGTTCAACCAGAACTCTAAC  
 TCTACGTACTGTCTTTCATGGTCAACAAGCCCTACGCCATCACCTGCTCTGTGGTGCC  
 TTCTACATCCCATTTCTCCTCATGGTGCTGGCCTATTACCGCATCTATGTCACAGCTAAG  
 GAGCATGCCCATCAGATCCAGATGTTACAACGGGCAGGAGCCTCCTCCGAGAGCAGGCCT  
 CAGTCGGCAGACCAGCATAGCACTCATCGCATGAGGACAGAGACCAAAGCAGCCAAGACC  
 CTGTGCATCATATGGGTTGCTTCTGCCTCTGCTGGGCACCATTCTTTGTACCAATATT  
 GTGGATCCTTTTACATAGACTACACTGTCCCTGGGCAGGTGTGGACTGCTTTCCTCTGGCTC  
 GGCTATATCAATCCGGGTTGAACCCTTTTCTCTACGCCTTCTTGAATAAGTCTTTTAGA  
 CGTGCCTTCTCATCCTCTGCTGTGATGATGAGCGCTACCGAAGACCTTCCATTCTG  
 GGCCAGACTGTCCCTTGTCAACCACAACCATTAAATGGATCCACACATGTACTAAGGTAC  
 ACCGTTCTGCACAGGGGACATCATCAGGAACTCGAGAACTGCCCATACACAATGACCCA  
 GAATCCCTGGAATCATGCTTCTGA

|                    |                |
|--------------------|----------------|
| Restriction Sites: | Please inquire |
| ACCN:              | NM_001040169   |
| Insert Size:       | 2000 bp        |



[View online »](#)

|                               |   |
|-------------------------------|---|
| <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>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <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><a href="#">NM_001040169.1</a></u> , <u><a href="#">NP_001035259.1</a></u>   |
| <b>RefSeq Size:</b>           | 1481 bp   |
| <b>RefSeq ORF:</b>            | 1164 bp   |
| <b>Locus ID:</b>              | 3360  |
| <b>UniProt ID:</b>            | <u><a href="#">Q13639</a></u>   |
| <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 (a) differs in the 5' UTR, 3' coding region and 3' UTR, compared to variant b. The resulting isoform (a) has a distinct C-terminus and is shorter than isoform b.</p> |