

Product datasheet for **SC310455**

5HT4 Receptor (HTR4) (NM_000870) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 5HT4 Receptor (HTR4) (NM_000870) Human Untagged Clone
Tag: Tag Free
Symbol: 5HT4 Receptor
Synonyms: 5-HT4; 5-HT4R
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000870 edited
 TAATGGACAAACTTGATGCTAATGTGAGTTCTGAGGAGGGTTTCGGGTCAGTGGAGAAGG
 TGGTGCTGCTCAGTTTTCTCGACGGTTATCCTGATGGCCATCTGGGGAACCTGCTGG
 TGATGGTGGCTGTGTGCTGGGACAGGCAGCTCAGGAAAATAAAAACAAATTATTTTATTG
 TATCTCTTGCTTTTTCGGATCTGCTGGTTTCGGTCTGGTGTATGCCCTTTGGTGCCATTG
 AGCTGGTTCAAGACATCTGGATTTATGGGGAGGTGTTTTGTCTTGTTCGGACATCTCGG
 ACGTCCTGCTCACAACGGCATCGATTTTTACCTGTGCTGCATTTCTCTGGATAGGTATT
 ACGCCATCTGCTGCCAGCCTTTGGTCTATAGGAACAAGATGACCCCTCTGCGCATCGCAT
 TAATGCTGGGAGGCTGCTGGGTCATCCCCACGTTTATTTCTTTTCCCTATAATGCAAG
 GCTGGAATAACATTGGCATAATTGATTTGATAGAAAAGAGGAAGTTCAACCAGAACTCTA
 ACTCTACGTACTGTGCTTCATGGTCAACAAGCCCTACGCCATCACCTGCTCTGTGGTGG
 CCTTCTACATCCCATTTCTCCTCATGGTCTGGCCTATTACCGCATCTATGTCACAGCTA
 AGGAGCATGCCCATCAGATCCAGATGTTACAACGGGCAGGAGCCTCCTCCGAGAGCAGGC
 CTCAGTCGGCAGACCAGCATAGCACTCATCGCATGAGGACAGAGACCAAAGCAGCCAAGA
 CCCTGTGCATCATCATGGGTTGCTTCTGCCTCTGCTGGGCACCATTTCTTGTCCACCAATA
 TTGTGGATCCTTTCATAGACTACACTGTCCCTGGGCAGGTGTGGACTGCTTTCCTCTGGC
 TCGGCTATATCAATTCGGGTTGAACCCTTTTCTACGCCTTCTGAATAAGTCTTTTA
 GACGTGCCTTCTCATCATCCTCTGCTGTGATGATGAGCGCTACCGAAGACCTTCCATTC
 TGGCCAGACTGTCCCTTGTTC AACCAACCATTAAATGGATCCACACATGTAATAAGGG
 ATGCAGTGGAGTGTGGTGGCCAGTGGGAGAGTCAGTGTACCCGCCAGCAACTTCTCCTT
 TGGTGGCTGCTCAGCCCAGTGACACTTAGGCCCTGGGACAATGACCCAGAAGACAGCCA
 T

Restriction Sites: Please inquire
ACCN: NM_000870
Insert Size: 1200 bp



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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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_000870.1.
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_000870.2 , NP_000861.1
RefSeq Size:	3005 bp
RefSeq ORF:	1167 bp
Locus ID:	3360
UniProt ID:	Q13639
Cytogenetics:	5q32
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Gene Summary:	<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 (b) encodes the longest isoform (b). 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>