

Product datasheet for **SC307982**

5HT4 Receptor (HTR4) (NM_199453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT4 Receptor (HTR4) (NM_199453) 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 sequence for NM_199453 edited
CGCAGGCAGCGGCTGGGAGCGCAGCGGCAGCGGGCAGCAGAAGCTCGGCTCAGCGGCT
GGGGTGGCCGCTCGAATCTGCCAGGGCACCTCGCTCCCTCGCCTTGGCAGCGGGACCC
TGTGGCATTGAAATCCAACCTCACTCATGCTTATTTCTGTAATGGACAACTTGATGCT
AATGTGAGTTCTGAGGAGGTTTTCGGGTCAAGGAGAAGTGGTCTGCTCACGTTTCTC
TCGACGGTTATCCTGATGGCCATCTTGGGGAACCTGCTGGTATGGTGGCTGTGTCTGG
GACAGGCAGCTCAGGAAAATAAAAACAAATTTTTCATTGTATCTCTTGGCTTTTGGCGAT
CTGCTGGTTTTCGGTGCTGGTATGCCCTTTGGTGCCATTGAGCTGGTTCAAGACATCTGG
ATTTATGGGGAGGTGTTTTGTCTTGTTCGGACATCTCTGGACGCTCTGCTCACAACGGCA
TCGATTTTTACCTGTGCTGCATTTCTCTGGATAGGTATTACGCCATCTGCTGCCAGCCT
TTGGTCTATAGGAACAAGATGACCCCTCTGCGCATCGCATTAAATGCTGGGAGGCTGCTGG
GTCATCCCCACGTTTATTTCTTTCTCCCTATAATGCAAGGCTGGAATAACATTGGCATA
ATTGATTTGATAGAAAAGAGGAAGTTCAACCAGAACTCTAACTCTACGTACTGTGCTTTC
ATGGTCAACAAGCCCTACGCCATCACCTGCTCTGTGGTGGCCTTCTACATCCCATTTCTC
CTCATGGTGTGGCCTATTACCGCATCTATGTCACAGCTAAGGAGCATGCCCATCAGATC
CAGATGTTACAACGGGCAGGAGCCTCCTCCGAGAGCAGGCCTCAGTCGGCAGACCAGCAT
AGCACTCATCGCATGAGGACAGAGACCAAAGCAGCCAAGACCCTGTGCATCATATGGGT
TGCTTCTGCCTCTGCTGGCACCATTCTTTGTCAACCAATATTGTGGATCCTTTTCATAGAC
TACACTGTCCTGGCAGGTGTGGACTGCTTTCCCTCTGGCTCGGCTATATCAATTCGGGG
TTGAACCCTTTTCTCTACGCCTTCTTGAATAAGTCTTTTAGACGTGCCTTCTCATCATC
CTCTGCTGTGATGATGAGCGCTACCGAAGACCTTCCATTCTGGGCCAGACTGTCCCTTGT
TCAACCACAACCATTAATGGATCCACACATGTAATAAGTGGCTGTCCCTGTCTCCAGC
TTCCTCTGCTCTTCTGCAATAGACCAGTTCCTGTCTAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_199453 unedited</p> <pre>GGCTACTTGTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCACGAGGCGCAGGCAG CGGCTGGGAGCGCAGCGGCAGCGCGGCAGCAGAAGCTCGGCTCAGCGGCTGGGGGTGGC CGCTCGAATCTGCCAGGGCACCTCGCTCCCTCGCCTCTGGCAGCGGGACCCTGTGGGCAT TGAAATCCAACACTACTCATGCTTATTTCTGTAATGGACAACTTGATGCTAATGTGAGT TCTGAGGAGGGTTTCGGGTCAGTGGAGAAGGTGGTGTCTGCTCACGTTTCTCTCGACGGT ATCCTGATGGCCATCTTGGGGAACCTGCTGGTGATGGTGGCTGTGTCTGGGACAGGCAG CTCAGGAAAATAAAAACAATTATTTTCATTGTATCTCTTGCTTTTTCGGGATCTGTGGTT TCGGTGTGGTGATGCCCTTTGGTGCCATTGAGCTGGTTCAAGACATCTGGATTTATGGG GAGGTGTTTTGTCTTGTTCGGACATCTCTGGACGCTCTGCTCACAACGGCATCGATTTTT CACCTGTGCTGCATTTCTCTGGATAGGTATTACGCCATCTGCTGCCAGCCTTTGGTCTAT AGGAACAAGATGACCCCTCTGCGCATCGCATTAACTGCTGGGAGGCTGCTGGGTATCCCC ACGTTTTATTTCTTTCTCCCTATAATGCAAGGCTGGAATAACATTGGCATAATTGATTTG ATAGAAAAGAGGAAGTTCAACCAGAACTCTAACTCTACGTAAGTGTCTTTCATGGTCAAC AAGCCCTACGCCATCACCTGCTCTGTGGTGGCCTTCTACATCCCATTTCTCCTCATGGTG CTGGCCTATTACGCATCTATGTACAGCTAAGGAGCATGCCATCAGATCCAGATGTTA CAACGGGCAGGAGCCTCCTCCGAGAAGCAGGCCCTCAGTCGGCAGA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_199453 unedited</p> <pre>CGTGATGCACTTCAGGGCCGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGA TCTGTTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGATTAGACAGGAACTGGTCTAT TGCAGAAGAGCAGGAGGAAGCTGGAGACAGGGGAACAGCCACTTAGTACATGTGTGGATC CATTAAATGGTTGTGGTTGAACAAGGGACAGTCTGGCCAGAATGGAAGGTCTTCGGTAGC GCTCATATCACAGCAGAGGATGATGAGGAAGGCACGTCTAAAAGACTTATTCAAGAAGG CGTAGAGAAAAGGGTTCAACCCGGAATTGATATAGCCGAGCCAGAGGAAAAGCAGTCCACA CCTGCCAGGGACAGTGTAGTCTATGAAAGGATCCACAATATTGGTGACAAAGAATGGTG CCCAGCAGAGGCAGAAGCAACCCATGATGATGCACAGGGTCTTGGCTGCTTTGGTCTCTG TCCTCATGCGATGAGTGTATGCTGGTCTGCCGACTGAGGCTGCTCTCGGAGGAGGGTCT CTGCCCCTTGTAAACATCTGGATCTGATGGGCATGCTCCTTAGCTGTGACATAGATGCGGT AATAGGCCAGCACCATGAGGAGAAATGGGATGTAGAAGGCCACCACAGAGCAGGTGATGG CGTAGGGCTTGTGACCATGAAGACACAGTACGTAGAGTTAGAGTTCTGGTTGAACTTCC TCTTTTCTATCAAATCAATTATGCCAATGTTATTCCAGCCTTGCAATTATAGGGAGAAAAG AAATAAACGTGGGGATGACCCAGCAGCCTCCCAGCATTAAATGCGATGCGCAGAGGGGTCA TCTTGTTCCTATAGACCAAAGCTGGCAGCAGATGGCGTATACCTATCCAGAGAAATGCAG CACAGGTGAAAAATCGATGCCGTTGGGGAGCAGGACGTTCCAGAGAATGTTCCG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_199453
Insert Size:	1300 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:

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_199453.2](#), [NP_955525.1](#)

RefSeq Size: 1557 bp

RefSeq ORF: 1137 bp

Locus ID: 3360

UniProt ID: [Q13639](#)

Cytogenetics: 5q32

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary: 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]
Transcript Variant: This variant (g), also known as E or G1, differs in the 5' UTR, 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (isoform g) has a distinct C-terminus and is shorter than isoform b.