

## Product datasheet for **SC109327**

### 5HT7 Receptor (HTR7) (NM\_019860) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5HT7 Receptor (HTR7) (NM_019860) Human Untagged Clone
Tag:	Tag Free
Symbol:	5HT7 Receptor
Synonyms:	5-HT7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_019860, the custom clone sequence may differ by one or more nucleotides

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ATGATGGACGTTAACAGCAGCGGCCGCCGACCTCTACGGGCACCTCCGCTCTTTCCTTCTGCCAGAAG
TGGGGCGCGGGCTGCCGACTTGAGCCCGACGGTGGCGCCGACCCGGTCGCGGGCTCCTGGGCGCCGCA
CCTGCTGAGCGAGGTGACAGCCAGCCCGCGCCACCTGGGACGCGCCCCGGACAATGCCTCCGCTGT
GGGGAACAGATCAACTACGGCAGAGTCGAGAAAGTTGTGATCGGCTCCATCCTGACGCTCATCACGCTGC
TGACGATCGCGGGCAACTGCCTGGTGGTATCTCCGTGTGCTTCGTCAGAAGCTCCGCCAGCCCTCCAA
CTACCTGATCGTGTCCCTGGCGCTGGCCGACCTCTCGGTGGCTGTGGCGGTCATGCCCTTCGTCAGCGTC
ACCGACCTCATCGGGGCAAGTGGATCTTTGGACACTTTTTCTGTAATGTCTTCATCGCCATGGACGTCA
TGTGCTGCACGGCTCGATCATGACCCTGTGCGTGATCAGCATTGACAGGTACCTTGGGATCACAAGGCC
CCTCACATACCCTGTGAGGCAGAATGGGAAATGCATGGCGAAGATGATTCTCCTCGTCTGGCTTCTCTCC
GCCTCCATCACCTTACCTCCACTCTTTGGATGGCTCAGAATGTAATGATGATAAGGTGTGCTTGTATCA
GCCAGGACTTTGGCTATACGATTTACTCTACCGCAGTGGCATTATATATCCCATGTCCGTATGCTTTT
CATGTACTACCAGATTTACAAGGCTGCCAGGAAGAGTGTGCCAAACACAAGTTTCTGGCTTCCCTCGA
GTGGAGCCAGACAGCGTCATCGCCCTGAATGGCATAAGTGAAGTCCAGAAGGAGGTGGAAGAGTGTGCAA
ACCTTTTCGAGACTCCTCAAGCATGAAAGGAAAAACATCCTCATCTTTAAGCGAGAACAGAAAGCAGCCAC
CACCTTGGGATCATCGTGGGGCTTTACCGTGTGCTGGCTGCCATTTTCTCCTCTCGACAGCCAGA
CCCTTTCATCTGTGGCACTTCTGACAGTGCATCCCACTGTGGGTGGAGAGGACATTTCTGTGGCTAGGCT
ATGCAAATCTCTCATTAAACCTTTTATATATGCTTCTTCAACCGGGACCTGAGGACCCTATCGCAG
CCTGCTCCAGTGCAGTACCGGAATATCAACCGGAAGCTCTCAGCTGCAGGCATGCATGAAGCCCTGAAG
CTTGCTGAGAGCCAGAGAGACCTGAGTTTGTGCTGTAA

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_019860 unedited TAATACGACTCACTATAGGGCGGCCGGAATTCAGATCCACTAGTAACGGCCGCCAGTGT GCTGGAATTCGCCCTTCGATGATGGACGTTAACAGCAGCGGCCGCCCGGACCTCTACGGG CACCTCCGCTCTTTCTTCTGCCAGAAGTGGGGCGCGGGCTGCCCGACTTGAGCCCCGAC GGTGGCGCCGACCCGGTCCGGGGCTCCTGGGCGCCGACCTGTGAGCGAAGTGACAGCC AGCCCCGGCGCCACCTGGGACGCGCCCCGACAATGCCTCCGGCTGTGGGGAACAGATC AACTACGGCAGAGTCGAGAAAAGTTGTGATCGGCTCCATCCTGACGCTCATCACGCTGCTG ACGATCGCGGGCAACTGCCTGGTGGTATCTCCGTGTGCTTCGTCGAAGAAGCTCCGCCAG CCCTCCAACTACCTGATCGTGTCCCTGGCGCTGGCCGACCTCTCGGTGGCTGTGGCGGTC ATGCCCTTCGTCAGCGTCACCGACCTCATCGGGGCAAGTGGATCTTTGGACACTTTTTC TGTAATGTCTTCATCGCCATGGACGTCATGTGCT
<b>3' Read Nucleotide Sequence:</b>	>Forward primer walk for NM_019860 unedited GGGGGCATTTTTATACCCTGTNCCGTNCATGCTTTTTCAGTACTACCANCATTACAAGG CTGCCAGGAAGAGTGTGCCAAACACAAGTTTCTGGCTTCCCTCGAGTGGAGCCAGACA GGGTTCATCGCCCTGAATGGCATAGTGAAGCTCCAGAAGGAGGTGGAAGAGTGTGCAGACC TTTCGAGACTCCTCAAGCATGAAAGGAAAAACATCTCCATCTTTAAGCGAGAACAGAAAAG CAGCCACCACCCTGGGGATCATCGTGGGGCCTTTACCGTGTGCTGGCTGCCATTTTTTC TCCTCTCGACAGCCAGACCCTTCATCTGTGGCACTTCTGCAGCTGCATCCCACTGTGGG TGGAGAGGACATTTCTGTGGCTAGGCTATGCAAACCTCTCTCATTAAACCCTTTTATATATG CCTTCTTCAACCGGGACCTGAGGACCACCTATCGCAGCCTGCTCCAGTGCAGTACCGGA ATATCAACCGGAAGCTCTCAGCTGCAGGCATGCATGAAGCCCTGAAGCTTGTGAGAGGC CAGAGAGACCTGAGTTTGTGCTGTAAGACAAAATGCTGACTACTGTAGAAAAAAGGTCA TGATTCATGATTGAAAGCAGAAGGGCGAATTCTGCAGATATCCATCACACTGGGCGGCCG CTCGAGCATGCATCTAGATTGCGGCCGCGGTGCATAGCTGTTTCTGAACGATCCCGGGT GGCATCCCTGTGACCCCTCCCCATGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCC CACCAGCCTTGTCTTAATAAAAATAAGTTGCATCATTTTGTCTGACTAGGTGTCCTCTTAT ATATGGTGAAGGGGGGGGGGGGGGGGGGGGNNNNNNNNNGC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_019860
<b>Insert Size:</b>	3300 bp
<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>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_019860.2</a></u> , <u><a href="#">NP_062874.1</a></u>
<b>RefSeq Size:</b>	3303 bp

RefSeq ORF:	1299 bp
Locus ID:	3363
UniProt ID:	<a href="#">P34969</a>
Cytogenetics:	10q23.31
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Gene Summary:	<p>The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (b) results from the alternative usage of the second of the two tandemly arranged splice donor sites at the 5' end of intron 2, which causes an in-frame stop codon and shortens the protein's carboxy tail by 13 amino acids relative to isoform a.</p>