

## Product datasheet for **SC308684**

### 5HT3A receptor (HTR3A) (NM\_213621) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5HT3A receptor (HTR3A) (NM_213621) Human Untagged Clone
Tag:	Tag Free
Symbol:	5HT3A receptor
Synonyms:	5-HT-3; 5-HT3A; 5-HT3R; 5HT3R; HTR3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_213621 edited  
 GCAGTGGCCACGAGAGGCAGGCTGGCTGGGACATGAGGTTGGCAGAGGGCAGGCAAGCTG  
 GCCCTTGGTGGGCTCGTCTGAGCACTCGGAGGCACTCCTATGCTTGGAAAGCTCGCTA  
 TGCTGTGTGGGTCCAGCAGGCGCTGCTCGCCTTGTCTCCCCACACTCCTGGCACAGG  
 GAGAAGCCAGGAGAGCCGAAACACCACCAGGCCCGCTGCTGAGGCTGTCGGATTACC  
 TTTTGACCAACTACAGGAAGGGTGTGCGCCCCGTGAGGGACTGGAGGAAGCCAACCACCG  
 TATCCATTGACGTCATTGTCTATGCCATCCTCAACGTGGATGAGAAGAATCAGGTGCTGA  
 CCACCTACATCTGGTACCGGCAGTACTGACTGATGAGTTTCTCCAGTGAACCCCTGAGG  
 ACTTTGACAACATCACCAAGTTGTCCATCCCCACGGACAGCATCTGGGTCCCGGACATTC  
 TCATCAATGAGTTCGTGGATGTGGGGAAGTCTCCAAATATCCCGTACGTGTATATTGGC  
 ATCAAGGCGAAGTTCAGAACTACAAGCCCTTCAGGTGGTACTGCTGTAGCCTCGACA  
 TCTACAACCTCCCTTCGATGTCCAGAACTGCTCGCTGACCTTACCAGTTGGTGCACA  
 CCATCCAGGACATCAACATCTCTTTGTGGCGCTTGCCAGAAAAGGTGAAATCCGACAGGA  
 GTGTCTTATGAACCAGGAGAGTGGGAGTTGCTGGGGTGTGTCCTACTTTCCGGGAGT  
 TCAGCATGAAAAGCAGTAACTACTATGCAGAAAAGTCTATGTGGTATCCGCCGGC  
 GGCCCTCTTCTATGTGGTCAAGCTGCTACTGCCAGCATCTTCCATGGTTCATGGACA  
 TCGTGGGCTTCTACCTGCCCCAACAGTGGCGAGAGGGTCTCTTTCAAGATTACTCC  
 TCTGGGCTACTCGTCTTCTGATCATCGTTTCTGACACGCTGCCGGCCACTGCCATCG  
 GCACTCCTCTCATTGGTAAGGCCCTCCTGGCAGCAGAGCTCAGTCTGGTGAAGAAACCCG  
 CCCCCTCCACCTCCTGCATGTGTCTCTTGCCCTGCCCCTGGGCTGCACAGGTGTCTACT  
 TTGTGGTGTGCATGGCTCTGCTGGTGATAAGTTTGGCCGAGACCATCTTCATTGTGCGG  
 TGGTGCACAAGCAAGACCTGCAGCAGCCCGTGCCTGCTGGCTGCGTACCTGGTCTTGG  
 AGAGAATCGCCTGGCTACTTTGCCTGAGGGAGCAGTCAACTTCCAGAGGCCCCAGCCA  
 CCTCCCAAGCCACCAAGACTGATGACTGCTCAGCCATGGGAAACCACTGCAGCCATGG  
 GAGGACCCAGGACTTCGAGAAGAGCCCGAGGGACAGATGTAGCCCTCCCCACCACTC  
 GGGAGGCCCTCGCTGGCGGTGTGTGGGCTGCTGCAGGAGCTGTCTCCATCCGGCAATTCC  
 TGGAAAAGCGGGATGAGATCCGAGAGGTGGCCGAGACTGGTGCAGGCTGGGCTCCGTGC  
 TGGACAAGCTGCTATTCCACATTTACCTGCTGGCGGTGCTGGCTACAGCATCACCTGG  
 TTATGCTCTGGTCCATCTGGCAGTACGCTTGAGTGGGTACAGCCAGTGGAGGAGGGGT  
 ACAGTCTGGTTAGGTGGGACAGAGGATTTCTGCTTAGGCCCTCAGGACCCAGGGAAT  
 GCCAGGGACATTTTCAAGACACAGACAAAGTCCCGTGCCTGTTTCCAATGCCAATTCAT  
 CTAGCAATCACAAAGCAAGGTCTGAACCTTCCACCAAAAACCTGGGTGTTCAAGGCCCT  
 TACACCCTTGTCCACCCCCAGCAGCTCACCATGGCTTTAAAACATGCTCTCTTAGATCA  
 GGAGAACTCGGGCACTCCCTAAGTCCACTCTAGTTGTGGACTTTTCCCATTGACCCTC  
 ACCTGAATAAGGGACTTTGGAATTCTGCTTCTTTTCAAACTTTGCTTTTAGGTTGAAG  
 GCAAAACCAACTCTACTACACAGGCTGATAACTCTGTACGAGGCTTCTTAACCCCT  
 AGTGTCTTTTTTTTCTTACCTCACTTGTGGCAGCTTCCCTGAACACTCATCCCCATCA  
 GATGATGGGAGTGGGAAGAATAAAATGCAGTGAACCCCTAAAAAAAAAAAAAAAAAAAA  
 AAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_213621

**Insert Size:** 2200 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM\_213621.1.

<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>	<a href="#">NM_213621.1</a> , <a href="#">NP_998786.1</a>
<b>RefSeq Size:</b>	2343 bp
<b>RefSeq ORF:</b>	1533 bp
<b>Locus ID:</b>	3359
<b>UniProt ID:</b>	<a href="#">P46098</a>
<b>Cytogenetics:</b>	11q23.2
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
<b>Gene Summary:</b>	<p>The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1), also known as h5-HT3RL, represents the longest transcript, and encodes the longest isoform (a). 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. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.</p>