

Product datasheet for **SC125304**

5HT7 Receptor (HTR7) (NM_000872) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT7 Receptor (HTR7) (NM_000872) 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)



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Fully Sequenced ORF: >OriGene ORF within SC125304 sequence for NM_000872 edited (data generated by NextGen Sequencing)

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ATGATGGACGTTAACAGCAGCGGCCGCCCGACCTCTACGGGCACCTCCGCTCTTTCTT
CTGCCAGAAGTGGGGCGCGGGCTGCCGACTTGAGCCCCGACGGTGGCGCCGACCCGGTC
GCGGGCTCCTGGGCGCCGACCTGCTGAGCGAAGTGACAGCCAGCCCGCGCCACCTGG
GACGCGCCCCCGACAATGCCTCCGGCTGTGGGAACAGATCAACTACGGCAGAGTCGAG
AAAGTTGTGATCGGCTCCATCCTGACGCTCATCAGCTGCTGACGATCGCGGGCACTGC
CTGGTGGTGATCTCCGTGTGCTTCGTCAAGAAGCTCCGCCAGCCCTCCAACCTACCTGATC
GTGTCCCTGGCGCTGGCCGACCTCTCGGTGGCTGTGGCGGTCATGCCCTTCGTCAGCGTC
ACCGACCTCATCGGGGGCAAGTGGATCTTTGGACACTTTTTCTGTAATGTCTTCATCGCC
ATGGACGTCATGTGCTGCACGGCCTCGATCATGACCCAGTGCCTGATCAGCATTGACAGG
TACCTTGGGATCACAAAGGCCCTCACATACCCTGTGAGGCAGAATGGGAAATGCATGGCG
AAGATGATTCTCTCCGTCTGGCTTCTCTCCGCTCCATCACCTTACCTCCACTCTTTGGA
TGGGCTCAGAATGTAATGATGATAAGGTGTGCTTGATCAGCCAGGACTTTGGCTATACG
GTTTACTCTACCCAGTGGCATTATATATCCCATGTCCGTGATGCTTTTTCATGTACTAC
CAGATTTACAAGGCTGCCAGGAAGAGTGCTGCCAAACACAAGTTTCTGGCTTCCCTCGA
GTGGAGCCAGACAGCGTCATCGCCCTGAATGGCATAAGTGAAGCTCCAGAAGGAGGTGGAA
GAGTGTGCAGACCTTTTCGAGACTCCTCAAGCATGAAAGGAAAAACATCTCCATCTTTAAG
CGAGAACAGAAAGCAGCCACCACCCTGGGGATCATCGTCGGGGCCTTTACCGTGTGCTGG
CTGCCATTTTTCTCCTCTCGACAGCCAGACCCTTCATCTGTGGCACTTCTGCAGCTGC
ATCCCACTGTGGTGGAGAGGACATTTCTGTGGCTAGGCTATGCAAACCTCTCTATTAAC
CCTTTTATATAGCCTTCTTCAACCGGGACCTGAGGACCCTATCGCAGCCTGCTCCAG
TGCCAGTACCGGAATATCAACCGGAAGCTCTCAGCTGCAGGCATGCATGAAGCCCTGAAG
CTTGCTGAGAGGCCAGAGAGACCTGAGTTGTGCTACAAAATGCTGACTACTGTAGAAAA
AAAGGTCATGATTCATGA
    
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Clone variation with respect to NM_000872.4
 153 g=>a;518 t=>a;721 a=>g;910 a=>g

3' Read Nucleotide Sequence: >OriGene 3' read for NM_000872 unedited

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TCCAGGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTTCAGG
AAACAGCTATGACCGCGCCGCAATCTAGATGCATGCTCGAGCGGCCAGTGTGATGG
ATATCTGCAGAATTCCGCCCTTCTGCTTTCAATCATGAATCATGACCTTTTTTTCTACAGT
AGTCAGCATTTTGTAGCACAACTCAGGTCTCTCTGGCCTCTCAGCAAGCTTCAGGGCTT
CATGCATGCCTGCAGCTGAGAGCTTCCGGTTGATATTCCGGTACTGGCACTGGAGCAGGC
TGCGATAGGTGGTCCCTCAGGTCCCGTTGAAGAAGGCATATATAAAAGGGTTAATGAGAG
AGTTTGCATAGCCTAGCCACAGAAATGTCCTCTCCACCCACAGTGGGATGCAGCTGCAGG
AAGTGCCACAGATGAAGGTCTGGCTGTCGAGAGGAGGAAAAATGGCAGCCAGCACACGG
TAAAGGCCCCGACGATGATCCCCAGGGTGGTGGCTGCTTTCTGTTCTCGCTTAAAGATGG
AGATGTTTTTCTTTTCATGCTTGAGGAGTCTCGAAAGGTCTGCACACTCTTCCACCTCCT
TCTGGAGCTTCCCTAGCGCTTTCAGGCCATGAACCCTCCGGTTCACTTCAGGAACCAGG
AAACCTGGTTTGGGAGCCATTCTCGGGCCCCCTGGAATCTGTGTTTCTGTGAAGCTGGC
GGACTGGGAATAAAAGGCCTGGCGTAATAACCGTAAACCAGTCTGTGGACACAACCTAT
ATCTTACTCGACCATCAAATGAGGAGGGAGGGGG
    
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Restriction Sites: Please inquire
ACCN: NM_000872
Insert Size: 1600 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).
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_000872.3 , NP_000863.1
RefSeq Size:	3263 bp
RefSeq ORF:	1338 bp
Locus ID:	3363
UniProt ID:	P34969
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 (a) results from the alternative usage of the first of two tandemly arranged splice donor sites at the 5' end of intron 2, which causes the protein to have a 13 amino acid longer carboxy tail relative to isoform b.</p>