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Product datasheet for SC125306

5HT6 Receptor (HTR6) (NM_000871) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT6 Receptor (HTR6) (NM_000871) Human Untagged Clone
Tag:	Tag Free
Symbol:	5HT6 Receptor
Synonyms:	5-HT6; 5-HT6R
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC125306 sequence for NM_000871 edited (data generated by NextGen Sequencing)

ATGGTCCCAGAGCCGGGCCCAACCGCCAATAGCACCCCGGCCTGGGGGGCAGGGCCGCCG
TCGGCCCCGGGGGGCAGCGGCTGGGTGGCGGCCGCGCTGTGCGTGGTCATCGCGCTGACG
GCGGCGGCCAACTCGCTGCTGATCGCGCTCATCTGCACTCAGCCCGCGCTGCGCAACACG
TCCAACTTCTTCCTGGTGTCGCTCTTCACGTCTGACCTGATGGTGGGGCTGGTGGTGATG
CCGCCGGCCATGCTGAACGCGCTGTACGGGCGCTGGGTGCTGGCGCGCGGCCTCTGCCTG
CTCTGGACCGCCTTCGACGTGATGTGCTGCAGCGCCTCCATCCTCAACCTCTGCCTCATC
AGCCTGGACCGCTACCTGCTCATCCTCTCGCCGCTGCGCTACAAGCTGCGCATGACGCCC
CTGCGTGCCCTGGCCCTAGTCCTGGGCGCCTGGAGCCTCGCCGCTCTCGCCTCCTTCCTG
CCCCTGCTGCTGGGCTGGCACGAGCTGGGCCACGCACGGCCACCCGTCCCTGGCCAGTGC
CGCCTGCTGACCAGCCTGCCTTTTGTCCTTGTGGCGTCGGGCCTCACCTTCTTCCTGCCC
TCGGGTGCCATATGCTTCACCTACTGCAGGATCCTGCTAGCTGCCCGCAAGCAGGCCGTG
CAGGTGGCCTCCCTCACCACCGGCATGGCCGGTCAGGCCTCGGAGACGCTGCAGGTGCCC
AGGACCCCACGCCCAGGGGTGGAGTCTGCTGACAGCAGGCGTCTAGCCACGAAGCACAGC
AGGAAGGCCCTGAAGGCCAGCCTGACGCTGGGCATCCTGCTGGGCATGTTCTTTGTGACC
TGGTTGCCCTTCTTTGTGGCCAACATAGTCCAGGCCGTGTGCGACTGCATCTCCCCAGGC
CTCTTCGATGTCCTCACATGGCTGGGTTACTGTAACAGCACCATGAACCCCATCATCTAC
CCACTCTTCATGCGGGACTTCAAGCGGGCGCTGGGCAGGTTCCTGCCATGTCCACGCTGT
CCCCGGGAGCGCCAGGCCAGCCTGGCCTCGCCATCACTGCGCACCTCTCACAGCGGCCCC
CGGCCCGGCCTTAGCCTACAGCAGGTGCTGCCGCTGCCCCTGCCGCCGGACTCAGATTCG
GACTCAGACGCAGGCTCAGGCGGCTCCTCGGGCCTGCGGCTCACGGCCCAGCTGCTGCTT
CCTGGCGTGGCCACCCAGGACCCCCCGCTGCCCACCAGGGCCGCTGCCGCCGTCAATTTC
TTCAACATCGACCCCGCGGAGCCCGAGCTGCGGCCGCATCCACTTGGCATCCCCACGAAC
TGA

Clone variation with respect to NM_000871.1
550 g=>a;691 a=>g;1208 a=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000871 unedited
NNNGGTCATAACCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCT
ATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGC
GGCCGCGAATTCGCCCTTCCACCCTCGGTCCTCATGGTCCCAGAGCCGGGCCCAACCGCC
AATAGCACCCCGGCCTGGGGGGCAGGGCCGCCGTCGGCCCCGGGGGGCAGCGGCTGGGTG
GCGGCCGCGCTGTGCGTGGTCATCGCGCTGACGGCGGCGGCCAACTCGCTGCTGATCGCG
CTCATCTGCACTCAGCCCGCGCTGCGCAACACGTCCAACTTCTTCCTGGTGTCGCTCTTC
ACGTCTGACCTGATGGTGGGGCTGGTGGTGATGCCGCCGGCCATGCTGAACGCGCTGTAC
GGGCGCTGGGTGCTGGCGCGCGGCCTCTGCCTGCTCTGGACCGCCTTCGACGTGATGTGC
TGCAGCGCCTCCATCCTCAACCTCTGCCTCATCAGCCTGGACCGCTACCTGCTCATCCTC
TCGCCGCTGCGCTACAAGCTGCGCATGACGCCCCTGCGTGCCCTGGCCCTAGTCCTGGGC
GCCTGGAGCCTCGCCGCTCTCGCCTCCTTCCTGCCCCTGCTGCTGGGCTGGCACGAGCTG
GGCCACGCACGGCCACCCGTCCCTGGCCAGTGCCGCCTGCTGACCAGCCTGCCTTTTGTC
CTTGTGGCGTCGGGCCTCACCTTCTTCCTGCCCTCGGGTGCCATATGCTTCACCTACTGC
AGGATCCTGCTAGCTGCCCCGCAGCAGGCCGTGCAGGTGGCCTCCCTCACCACGGCATGG
NNCGTCAGCCCTCGNAGACGCTGCAGGTGCCCAGGACCCCCGCCCAGGGGTGGAGTCTGC
TGACAGCAGGCGT

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_000871 unedited
GGGGTCCCCTCCGTGGATCATTGGATGATGGCACTTGCCAGGTCCCAGNGAAGAGCACTG
GGGAAGGGAGTCACAGGGCATGCCACCCGGGTATCTGTATCAGAAAACAGCTATGACCGC
GGCCGCAATCTAGAGTCGACAAGCTTGATATCGGTACCAAATCTGAATTCACCCTTAACT
GGCCCAAGGACTCAGGGTCTGGGTTCTGCTCAATCGATCTTCCAATTGGCCAACACAAAG
CCCGGGACATTTCGTGGAGATGCCAAATAGATGCGGCCGACACTCGAGCTGCGCGGTGTC
TATGAAGAACAAATAGACGGCGGCAGCAGACCTGGTGGACAGAGACGTGTCCTGTGTGGC
CACGCCAGCTATCAGCGACTGCACCGAGAGCCGCATGCTCGAGGAGCCGCCTGATCCTGC
GTCTGAGTACGAATCTGAGTACTGCTGGCAGGCTCAGAGAAGACATCCTGCTATAGGACT
AAGCCGGGCCGGGCGCCGCTGACAGAGGAGCGCATTGATGGCGATGCCAGTCTGGCCTGG
CTCTTGCTGAGACAGCGTGGACATGACATGGACCTGCCCACCTCCCGCTTGATTCNCAGC
ATGACCAGTGAGTAGATGATGGAAGTAAATGATGCTGTTACAGTGATCCCACCATGCCAA
GACATCGTAACAGCCTGTGCATATGCAGTCCCACACCGCCTGGACTATGATCACCACACA
AACGGGTAACATGAAAATATAGAAATGCCCGAATGGGATGCCCAAGGGTAGGGTGGATTC
TAGGAACTTCCTGCTGTGCCTAGAGGATAAACACGTGAATGTAGGCCTATCCCCCCCCTG
GGCGGGGGGTCCTGGGCACTGGGGGCCTCTCCAAGGCCTAACCGCCTTGGCTGTGGGGAG
GGAAGACACTG
```

Restriction Sites: Please inquire

ACCN: NM_000871

Insert Size: 1510 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:
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_000871.1, NP_000862.1

RefSeq Size: 1984 bp

RefSeq ORF: 1323 bp

Locus ID: 3362

UniProt ID: P50406

Cytogenetics: 1p36.13

Protein Families: Druggable Genome, GPCR, Transmembrane

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

Gene Summary: This gene encodes a protein that belongs to the seven-transmembrane G protein-coupled receptor family of proteins. The encoded protein couples with the Gs alpha subunit and stimulates adenylate cyclase to activate the cyclic AMP-dependent signaling pathway. This receptor is thought to regulate cholinergic neuronal transmission in the brain. Several antidepressants and antipsychotic drugs have a high affinity for this receptor. [provided by RefSeq, Aug 2013]