

Product datasheet for **SC119614**

5HT1E Receptor (HTR1E) (NM_000865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT1E Receptor (HTR1E) (NM_000865) Human Untagged Clone
Tag:	Tag Free
Symbol:	5HT1E Receptor
Synonyms:	5-HT1E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000865, RT-PCR generated
CTGAAACAAGGGAACATGAACATCACAACTGTACCACAGAGGCCAGCATGGCTATAAG
ACCCAAGACCATCACTGAGAAGATGCTCATTGTCATGACTCTGGTGGTCATCACCACCT
CACCACGTTGCTGAACTGGCTGTGATCATGGCTATTGGCACCACCAAGAAGCTCCACCA
GCCTGCCAACTACCTAATCTGTTCTCTGGCCGTGACGGACCTCCTGGTGGCAGTGCTCGT
CATGCCCTGAGCATCATCTACATTGTCATGGATCGCTGGAAGCTTGGTACTTCTCTG
TGAGGTGTGGCTGAGTGTGGACATGACCTGCTGCACCTGCTCCATCCTCCACCTGTGT
CATTGCCCTGGACAGGTACTGGCCATCACCAATGCTATTGAATACGCCAGGAAGAGGAC
GGCCAAGAGGGCCGCGTGATGATCCTTACCGTCTGGACCATCTCATTTCATCTCCAT
GCCCCCTCTGTTCTGGAGAAGCCACCGCCCTAAGCCCTCCCCCTAGTCAGTGCACCAT
CCAGCAGACCATGTTATCTACACCATTTACTCCAGCTGGGTGCGTTTTATATCCCTT
GACTTTGATACTGATTCTCTATTACCGATTTACCACGCGCCAAGAGCCTTTACCAGAA
AAGGGGATCAAGTCGGCACTTAAGCAACAGAAGCACAGATAGCCAGAATCTTTTGAAG
TTGTAAACTTACACAGACTTTCTGCGTGTCTGACTTCTCCACCTCAGACCTACCACAGA
GTTTGAAGTTCCATGCCTCCATCAGGATCCCCCTTCGACAATGATCTAGATCACCC
AGGAGAACGTGACAGATCTTAGCACCAGGGAACGGAAGGCAGCAGCATCCTGGGGCT
GATTCTGGGTGCATTCAATTTATCCTGGCTGCCATTTTCATCAAAGAGTTGATTGTGG
TCTGAGCATCTACACCGTGTCTCGGAAGTGGCCGACTTCTGACGTGGCTCGGTTATGT
GAATTCTGTGATCAACCTCTGCTCTATACGAGTTTTAATGAAGACTTTAAGCTGGCTTT
TAAAAAGCTCATTAGATGCCGAGAGCATACTTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000865 unedited NCCCCAATTTTCGAGGTAATTTAGTTAAAACGAACTTCATGATCGGGNCGTGCCGCCAGT GTGNATGGGATATACTGTGAGAAATTCGCGCTTACTGCAAACAAGGGAAAACATGAAACA TCACAACTGTACCACAGAGGCCAGCATGGCTATAAGACCCAAGCACCATCACTNGATAA GATGCTCATTTGCATGACTCTGGTGGTCATCACCACCCTCACCACGTTGCTGAACTTGGC TGTGATCATGGCTATTGGCACCACCAAGAAGCTCCACCAGCCTGCCAACTACCTAATCTG TTCTCTGGCCGTGACGGACCTCCTGGTGGCAGTGCCTCGTCATGCCCTGAGCATCATCTA CATTGTCATGGATCGCTGGAAGCTTGGTACTTCTCTGTGAGGTGGCTGAGTGTGGA CATGACCTGCTGCACCTGCTCCATCCTCCACCTCTGTGTCATTGCCCTGGACAGGTA GGCCATACCAATGCTATTGAATACGCCAGGAAGAGGACGGCCAAGAGGGCCGCGCTGAT GATCCTTACCGTCTGGACCATCTCCATTTTCATCTCCATGCCCTCTGTTCTGGAGAAG CCACCGCCGCTAAGCCCTCCCCTAGTCAGTGCACCATCCAGCAGCACCATGTTATCTA CACCATTTACTCCACGCTGGGTGCGTTTTATATCCCCTTGACTTTGATACTGATTCTCTA TTACCGGATTTACCACGGGCCAAGAGCCTTTACCAGATAAGGGGATCAAGTCGGCACTT AAGCAACAGAAGCACAGATAGCCAGAATCTTTTGCAAGTTGAAACTTACACAGACTTT CTGCGTGTCTGACTTCTCCACCTCAGACCCTACCACAGAGTTTAAAAGTACCATGCCTC CATCAGGATCCCCCCTTCGACAATGATCTAGATCACC
Restriction Sites:	Please inquire
ACCN:	NM_000865
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_000865.1 , NP_000856.1
RefSeq Size:	1930 bp
RefSeq ORF:	1098 bp
Locus ID:	3354
UniProt ID:	P28566
Cytogenetics:	6q14.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Gene Summary:

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various alkaloids and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.[UniProtKB/Swiss-Prot Function]