

Product datasheet for **SC108583**

5 HT1F (HTR1F) (NM_000866) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 5 HT1F (HTR1F) (NM_000866) Human Untagged Clone
Tag: Tag Free
Symbol: 5 HT1F
Synonyms: 5-HT-1F; 5-HT1F; 5HT6; HTR1EL; MR77
Mammalian Cell Selection: None
Vector: [pCMV6-XL4](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000866, RT-PCR generated
TGGATTTCTAAATTCATCTGATCAAAACTTGACCTCAGAGGAAGTGTAAACAGAAATGC
CATCCAAAATTCGGTGTCCCTCACTCTGTCTGGGCTGGCACTGATGACAACAATATCA
ACTCCCTTGTGATCGCTGCAATTATTGTGACCCGGAAGCTGCACCATCCAGCCAATTATT
TAATTTGTTCCCTTGCAGTCACAGATTTTCTTGTGGCTGTCTGGTGTATGCCCTTCAGCA
TTGTGTATATTGTGAGAGAGAGCTGGATTATGGGGCAAGTGGTCTGTGACATTTGGCTGA
GTGTTGACATTACCTGCTGCACGTGCTCCATCTTGATCTCTCAGCTATAGCTTTGGATC
GGTATCGAGCAATCACAGATGCTGTTGAGTATGCCAGGAAAAGGACTCCAAAGCATGCTG
GCATTATGATTACAATAGTTTGGATTATATCTGTTTTTATCTCTATGCCTCCTTATTCT
GGAGGCACCAAGGAACTAGCAGAGATGATGAATGCATCATCAAGCAGACCACATTGTTT
CCACCATTACTCAACATTTGGAGCTTTCTACATCCCCTGGCATTGATTTTGTATCCTTT
ACTACAAAATATATAGAGCAGCAAAGACATTATACCACAAGAGACAAGCAAGTAGGATTG
CAAAGGAGGAGGTGAATGGCCAAGTCTTTTGGAGAGTGGTGAAGAAAAGCACTAAATCAG
TTTCCACATCCTATGACTAGAAAAGTCTTTATCTGACCCATCAACAGACTTTGATAAAA
TTCATAGCACAGTGAGAAGTCTCAGGTCTGAATTCAAGCATGAGAAATCTTGGAGAAGGC
AAAAGATCTCAGGTACAAGAGAACGAAAGCAGCCACTACCCTGGGATTAATCTTGGGTG
CATTTGTAATATGTTGGCTTCTTTTTTGTAAAAGAATTAGTTGTTAATGTCTGTGACA
AATGTAATAATTTCTGAAGAAATGTCCAATTTTTTGGCATGGCTTGGGTATCTCAATTCCC
TTATAAATCCACTGATTTACACAATCTTAAATGAAGACTTCAAGAAAGCATTCCAAAAGC
TTGTGCGATGTCGATGTTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000866 unedited CCCGCCATTCGGGAATTGTAAACGATTCACCTATAGGGCGGCCCCAGTGTGATGGATATC TGCAGAATTCGGCTTATGGATTTCTAAATTCATCTGATCAAACTTGACCTCAGAGGAA CTGTTAAACAGAATGCCATCCAAAATTCGGTGTCCCTCACTCTGTCTGGGCTGGCACTG ATGACAACAACATCAACTCCCTTGTGATCGCTGCAATTATTGTGACCCGGAAGCTGCAC CATCCAGCCAATTATTTAATTTGTTCCCTTGCAAGTACAGATTTTCTTGTGGCTGTCCTG GTGATGCCCTTCAGCATTGTGTATATTGTGAGAGAGAGCTGGATTATGGGGCAAGTGTC TGTGACATTTGGCTGAGTGTGACATTACCTGCTGCACGTGCTCCATCTTGCATCTCTCA GCTATAGCTTTGGATCGGTATCGAGCAATCACAGATGCTGTTGAGTATGCCAGGAAAAGG ACTCCAAAGCATGCTGGCATTATGATTACAATAGTTTGGATTATATCTGTTTTTATCTCT ATGCCCTCTATTCTGGAGGCACCAAGGAACTAGCAGAGATGATGAATGCATCATCAAG CACGACCACATTGTTCCACCATTTACTCAACATTTGGAGCTTTCTACATCCCCTGGCA TTGATTTTGTATCCTTTACTACAAAATATATAGAGCAGCAAAGACATTATACCACAAGAGA CAAGCAAGTAGGATTGCAAAGGAGGAGGTGAATGGCCAAGTCCTTTTGGAGAGTGGTGAG AAAAGCACTAAATCAGTTTCCACATCCTATGTACTAGAAAAGTCTNTATCTGACCCATCA ACAGACTNTGATAAAATTCATAGCACAGTGAGAAGTCTCAAGTCTGAATTCAGCATGAGA N</p>
Restriction Sites:	Please inquire
ACCN:	NM_000866
Insert Size:	1100 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_000866.1 , NP_000857.1
RefSeq Size:	1101 bp

RefSeq ORF:	1101 bp
Locus ID:	3355
UniProt ID:	P30939
Cytogenetics:	3p11.2-p11.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>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]</p> <p>Transcript Variant: Variants 1 through 4 encode the same protein. 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.</p>