

## Product datasheet for MC215794

### Htr6 (NM\_021358) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htr6 (NM_021358) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Htr6
Synonyms:	5-HT6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215794 representing NM_021358 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTTCCAGAGCCCGCCCTGTCAACAGTAGCACCCAGCCTGGGGCCCCGGGCCACCGCCAGCCCCAG  
GGGGCAGCGGCTGGGTGGCCGCTGCGCTGTGCGTGGTCATCGTGCTGACGGCAGCCGCCAATTCGCTGCT  
GATCGCGCTCATCTGCACGCAGCCGCGCTGCGCAACACGTCTAACTTCTCCTGGTGTGCTCTTCAGC  
TCGGACCTGATGGTGGGATTGGTGGTGTGCCCCAGCCATGCTGAACCGCTGTATGGCGCTGGGTGC  
TAGCTCGCGCCCTCTGTCTGCTTTGGACCCTTCGACGTGATGTGCTGCAGCGCTCCATTCTCAACCT  
CTGCCTCATCAGCCTGGACCGCTACCTGCTCATCTCTCGCCGCTGCGCTACAAGCTGCGCATGACAGCC  
CCGCGTGGCCCTGGCGCTCATCTGGGTGCCTGGAGCCTCGCCGCGCTGGCCTCCTTCCTGCCCTCTTGC  
TGGGCTGGCATGAACTGGGCAAAGCTCGAACATCTGCCCCGGGCCAGTGCCGCTATTGGCCAGCCTGCC  
TTATGTCTCGTGGCGTCCGGCGTCACCTTTTTCTGCCTTCGGGTGCCATCTGCTTACCTACTGCAGG  
ATCTTGCTGGCTGCCCGCAAGCAGGCGGTGCAAGTGGCTCGCTCACCACGGGCACGGCTACGGCTGGCC  
AGGCCTTGAAACCTTGCAAGTGGCCAGGACACCAGCCAGGGATGGAGTCTGCTGACAGTAGGCGTCT  
GACCACCAAGCATAGCAGGAAGGCTTGAAGGCCAGCCTGACCCTCGGCATCCTGCTGAGCATGTTCTTT  
GTCACCTGGCTGCCCTTCTTTGTGGCCAGCATAGCTCAGGCCGTATGTGACTGCATCTCTCCAGGTCTCT  
TCGATGCTCCTCACATGGCTGGGATACTGTAATAGCACCATGAACCCTATCATCTATCCCCTTTTCATGCG  
GGACTTCAAGAGGGCCCTGGGCAGGTTCTGCGCTGTGTCCACTGTCCCCGGAGCACCGGGCCAGCCCC  
GCCTCCCCCTCCATGTGGACCTCTCACAGTGGTGCAGGCCAGGCCTCAGCCTGCAGCAGGTGCTGCCCC  
TGCTCTGCCACCAACTCAGATTCAGACTCAGCTTCAGGGGGCACCTCGGGCTGCAGCTCACAGCCCA  
GCTTTTGCTGCCTGGAGAGGCGACCCGGGACCCCCGCCACCCACCAGGGCCCTACTGTGGTCAACTTC  
TTCGTCACAGACTCTGTGGAGCCTGAGATACGGCAGCATCCACTTGGTTCCCCCATGAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_021358
<b>Insert Size:</b>	1323 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_021358.2</a></u> , <u><a href="#">NP_067333.1</a></u>
<b>RefSeq Size:</b>	1362 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	15565
<b>UniProt ID:</b>	<u><a href="#">Q9R1C8</a></u>
<b>Cytogenetics:</b>	4 70.57 cM
<b>Gene Summary:</b>	This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that function as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase. It has a high affinity for tricyclic psychotropic drugs (By similarity). Controls pyramidal neurons migration during corticogenesis, through the regulation of CDK5 activity (PubMed:25078650). Is an activator of TOR signaling (PubMed:23027611).[UniProtKB/Swiss-Prot Function]