

## Product datasheet for **MC215943**

### Htr7 (NM\_008315) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htr7 (NM_008315) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Htr7
Synonyms:	5-HT7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC215943 representing NM\_008315  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGGACGTTAACAGCAGCGGCCGCCGACCTCTACGGCCATCTCCGCTCTCTCATCTGCCGAGG  
 TGGGGCGCAGGCTGCAGGACCTGAGCCCGACGGTGGCGCCACTCGGTGGTGAGCTCCTGGATGCCGA  
 CCTGCTGAGCGGCTTCCAGAGGTGACAGCTAGCCCGCGCCACCTGGGACGCGCCCCGGACAATGTC  
 TCCGGTGCGGGGAGCAGATCAACTATGGCAGAGTCGAGAAAAGTTGTGATCGGCTCCATCCTGACGCTCA  
 TCACGCTGCTGACGATCGCGGGCAACTGCCTGGTGGTATCTCGGTGTGCTTTGTCAAGAAGCTCCGCCA  
 GCCCTCCAACCTACCTGATTGTGTCCCTGGCGTGGCTGACCTCTCGGTGGCCGTGGCGGTATGCCTTTC  
 GTTAGTGTACGGACCTCATCGGGGCAAGTGGATCTTCGGCCACTTCTTCTGCAACGTCTTCATCGCCA  
 TGGACGTATGTGCTGCACGGCCTCGATCATGACCCTGTGCGTGATCAGCATCGACAGGTACCTGGGAT  
 CACCAGGCCCTCACGTACCCCGTGAGGCAGAATGGGAAATGTATGGCCAAAATGATTCTGTGCGTCTGG  
 CTTCTCTCTGCCTCCATCACCTTACCTCTCTTTCGGATGGGCTCAGAATGTGAACGATGACAAAAGTGT  
 GCTTGATCAGCCAGGATTTTGGCTACACGATCTACTCCACCGCAGTGGCGTTTTATATCCCCATGTCGGT  
 CATGCTGTTTACTACTATCAGATTTACAAGGCCGCCAGGAAGAGCGCAGCCAAACACAAGTTCTCAGGC  
 TTCCCACGCGTGCAGCCGGAGAGCGTACTCTCCCTGAATGGCGTGGTGAAGTCCAGAAGGAGGTGGAAG  
 AGTGTGCGAACCTTTTCGAGACTGCTCAAACACGAAAGGAAAAACATTTCCATCTTCAAGAGGGAACAGAA  
 AGCAGCCACTACCTGGGGATCATCGTGGGAGCCTTACGGTGTGCTGGTGGCGTTTTTCTCTGTGCC  
 ACAGCAAGGCCCTTATCTGTGGCACCTCCTGTAGCTGCATCCCGCTGTGGTGGAGAGGACATGTCTGT  
 GGCTGGGCTATGCAAACCTCTCATTAAACCCTTTATATATGCCTTCTTCAACCGGACCTGAGGACCAC  
 CTATCGTAGCCTACTCCAGTGCCAGTACCGGAATATCAACCGGAAGCTCTCTGCTGCAGGATGCACGAA  
 GCCCTGAAACTTGTGAGAGCCTGAGAGAAGCGAGTTTGTGCTACAAAACCTGTGACCACTGTGGAAAA  
 AAGTCATGATACATGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_008315

**Insert Size:** 1347 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\\_008315.2](#), [NP\\_032341.2](#)

RefSeq Size: 3095 bp

RefSeq ORF: 1347 bp

Locus ID: 15566

UniProt ID: [P32304](#)

Cytogenetics: 19 30.3 cM

**Gene Summary:** This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1, also known as 5-HT7a) lacks an alternate exon in the 3' coding region, compared to variant 2. The encoded isoform (1) is shorter and has a distinct C-terminus, compared to isoform 2. 5-HT7a cited in PMID 18793707. 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.