

Product datasheet for **MC208724**

Htr1b (NM_010482) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Htr1b (NM_010482) Mouse Untagged Clone
Tag: Tag Free
Symbol: Htr1b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208724 representing NM_010482
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGCAGGGTATTCAGTGCGCCCGCCGCTCCCGCCGCTCCAGACAGGGGTACCTCTCACCA
ACCTCTCCACAACCTGCAGCGCCGACGGCTACATTTACCAGGACTCCATCGCCCTGCCCTGGAAAGTCTC
GCTGGTTGCTTTGTTGGCGCTCATCACCTTGGCCACCAGCTCTCCAACGCCTTTGTAATCGTACGGTG
TATCGGACCCGGAAGCTACACACCCCGGCTAACTACCTGATCGCCTCTCTGGCAGTCACTGACCTGCTCG
TGTCATCCTGGTGATGCCATCAGCACCATGTACACGGTCACTGGACGCTGGACACTAGGCCAGGTGGT
CTGCGACTTCTGGCTGTCGTGCGATATCACCTGTTGCACTGCTTCCATCATGCATCTCTGTGCATCGCC
CTGGACCCTACTGGCCATCACCGATGCGGTGGAGTATTCTGCTAAAAGGACTCCCAAAAGGGCGGCCA
TCATGATCGTGCTGGTGTGGTCTTCTCCATCTCTATTTCTGTCGCCACCTTCTTCTGGCGTCAAGCCAA
AGCAGAGGAGGAGATGCTGGACTGCTTTGTGAACACCGACCACGCTCTACACGGTCTACTCCACGGT
GGCGCTTTCTATTTACCCACCTGCTCCTCATCGCCCTCTATGGCCGCATCTATGTGGAAGCCCGCTCTC
GGATTTTGAACAGACACCAACAAGACCGGCAAGCGCTTGACCCGAGCCAGTTGATAACAGACTCCCC
GGGATCCACATCCTCGGTACCTCCATTAACCTCCGGGCTCCGGACGTGCCAGTGAGTCCGGGTCTCCT
GTGTACGTGAACCAAGTCAAAGTGCAGTCTCAGACGCCCTGCTGGAAAAGAAAGAACTCATGGCCGCTA
GGGAGCGCAAAGCCACCAAGACCCTAGGGATCATTTTAGGAGCATTTATTGTGTGTTGGCTGCCCTTCTT
CATCATCTCCCTGGTGATGCCTATCTGTAAGGATGCTGCTGGTTTACATGGCCATTTTACTTCTTC
AATTGGTTAGGCTATCTTAACCTCCTCATCAACCCATCATACACCATGTCCAATGAGGACTTCAAAC
AAGCGTTCCAAAACCTGATACGCTTTAAGTGCCGAGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010482



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Insert Size:	1161 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_010482.1 , NP_034612.1
RefSeq Size:	1161 bp
RefSeq ORF:	1161 bp
Locus ID:	15551
UniProt ID:	P28334
Cytogenetics:	9 44.61 cM
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. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries.[UniProtKB/Swiss-Prot Function]