

Product datasheet for **MG222524**

Htr1b (NM_010482) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr1b (NM_010482) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Htr1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222524 representing NM_010482 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGCAGGGTATTCAGTGCGCCCGCCCTCCCGCCCTCCCAGACAGGGGTACCTCTCACCA
ACCTCTCCCAACTGCAGCGCCGACGGCTACATTTACCAGGACTCCATCGCCCTGCCCTGGAAAGTCTCT
GCTGGTTGCTTTGTTGGCGCTCATCACCTTGCCACCACGCTCTCCAACGCCTTTGTAATCGCTACGGTG
TATCGGACCCGGAAGCTACACACCCCGGTAACCTACCTGATCGCCTCTCTGGCAGTCACTGACCTGCTCG
TGCCATCCTGGTGATGCCCATCAGACCATGTACACGGTCACTGGACGCTGGACACTAGGCCAGGTGG
CTGCGACTTCTGGCTGTGTCGGATATCACCTGTTGCACTGCTTCCATCATGCATCTCTGTGTCATCGCC
CTGGACCGCTACTGGCCATCACCGATGCGGTGGAGTATTCTGCTAAAAGGACTCCCAAAAGGGCGGCCA
TCATGATCGTGTGGTGTGGGTCTTCTCCATCTCTATTTGCTGGCACCTTCTTCTGGCGTCAAGCCAA
AGCAGAGGAGGAGATGCTGGACTGCTTTGTGAACACCGACCACGTCCTCTACACGGTCTACTCCACGGTG
GGCGCTTTCTATTTACCCACCCTGCTCCTCATCGCCCTCTATGGCCGCATCTATGTGGAAGCCCGCTCTC
GGATTTTGAACAGACACCCAACAAGACCGCAAGCGCTTGACCCGAGCCAGTTGATAACAGACTCCCC
GGATCCACATCCTCGTCACCTCCATTAACCTCCGGGCTCCGGACGTGCCAGTGAGTCCGGGTCTCCT
GTGTACGTGAACCAAGTCAAAGTGCAGTCTCAGACGCCCTGCTGAAAAGAAGAACTCATGGCCGCTA
GGGAGCGCAAAGCCACCAAGACCTAGGGATCATTTTAGGAGCATTTATTGTGTGTTGGCTGCCCTTCTT
CATCATCTCCCTGGTGTGCCTATCTGTAAGGATGCCTGCTGTTTACATGGCCATTTTGTACTTCTTC
AATTGGTTAGGCTATCTTAACCTCCATCAACCCCATCATCTACACCATGTCCAATGAGGACTTCAAAC
AAGCGTCCACAACTGATACGCTTTAAGTGCGCAGGT

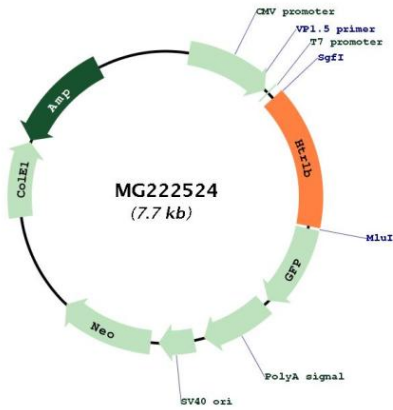
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_010482.2
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]

Product images:



Circular map for MG222524