

Product datasheet for **MG227083**

Htr1a (NM_008308) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr1a (NM_008308) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Htr1a
Synonyms:	Gpcr18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227083 representing NM_008308 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

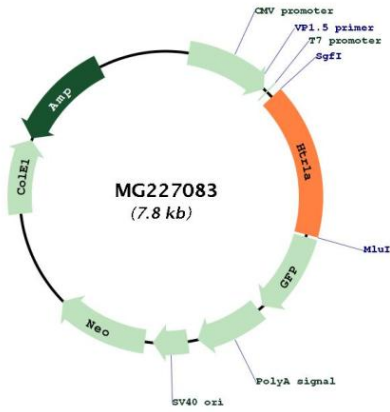
ATGGATATGTTTCAGTCTTGCCAGGGCAACAACACCACAACGTCCCTGGAGCCCTTCGGGACAGCGGCCA
ACGATACTGGCCTCTCCAACGTGACCTTCAGCTACCAAGTGATCACCTCTCTTTTCTGGGGACGCTCAT
TTTCTGCGCGGTGCTCGGCAATGCCTGCGTGGTTGCTGCCATCGCCCTGGAGCGCTCCCTTCAGAATGTT
GCCAATATCTCATCGGCTCCTTGCGGTCAACGATCTCATGGTGTGAGTGTGGTGTGCCATGGCTG
CTCTGTACCAGGTGCTCAACAAGTGGACTCTGGGTCAAGTCACTGTGACCTGTTTATCGCCCTGGATGT
GCTGTGCTGCACTTCGTCCATCCTGCACCTGTGCGCCATCGCGCTAGACAGGTAAGGCAATCACCGAC
CCTATAGACTACGTGAACAAGAGGACGCCCCGGCGCGCCGCTGCGCTGATCTCGCTCACTTGGCTCATTG
GCTTTCTCATCTCCATCCCGCTATGCTGGGCTGGCGCACCCCGGAAGACCGCTCGAACCCCAACGAGTG
CACCATCAGCAAGGACCAGGGTACACCATCTACTCCACTTTTCGGCGCTTTCTATATTCCGCTGTGCTC
ATGCTGGTCTCTATGGGCGCATCTTCAGAGCCGCGCGCTTCGAATCCGCAAGACGGTCAAGAAGGTGG
AAAAGAAGGGAGCGGGCACCAGCTTCGGAACATCGTCGGCCCCGCCCCCAAGAAGACGCTGAATGGTCA
GCCAGGTAGTGGGACTGCAGGCGCAGTGTGAGAACAGGGCGGTGGGGACTCCGTGCGCTAATGGGGCG
GTGAGACAGGGTGAGGACGACGCCACCTGGAGGTGATCGAGTGCATCGAGTGGGCAACTCCAAGGGC
ACCTTCCTCTGCCAGCGAATCAGGAGCTACCTCCTATGTCCCCGCTGCTTGGAGAGAAAAAATGAGCG
CACTGCTGAGGCAAAGCGCAAGATGGCCTTGCCCGTGAGAGGAAGACAGTGAAGACACTGGGCATCATC
ATGGGCACCTTCACTCTGCTGGCTGCCCTTTTTTATTGTGGCCCTGGTCTACCTTTCTGTGAGAGCA
GTTGCCACATGCCTGAGTTGTTGGGTGCCATAATTAAGTGGTACTGAGTCAACTCCCTGCTCAACCC
AGTTATTTATGCTTATTTCAACAAGACTTTCAAACGCTTTTAAGAAGATCATCAAGTGAAGTTCTGCGC
CGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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_008308.4 , NP_032334.2
RefSeq Size:	4441 bp
RefSeq ORF:	1266 bp
Locus ID:	15550
UniProt ID:	Q64264
Cytogenetics:	13 56.92 cM
Gene Summary:	<p>G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs 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. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to angiogenic stimuli. [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG227083