

Product datasheet for **MG206966**

Htr3b (NM_020274) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr3b (NM_020274) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Htr3b
Synonyms:	5-HT3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206966 representing NM_020274 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCTTCTGTGGTCTGCCTCCTGGTGGCTGTAGTAGGTATCCTAGGTACAGCGACACCTCAGCCTG
GGAATTCTTCTCTGCACCGTCTCACCAGGCAGCTTTACAACAGTACCACAAGGAGGTGACACCAGTTTA
CAACTGGGCTGAGGCCACCACTGTCTACCTGGACCTTTGCGTCCATGCTGTATTGGATGTGGATGTGCAG
AATCAAAAATTAAGACAAGCGTGTGGTACCGAGAGGTTTGAACGATGAGTTTTTGTCTGGAACCTCTA
GTCTGTTCGATGAGATCAAGAGATCTCTCCCTCTCAGTGCCTCTGGCCCCCTGATATCATCATTAA
TGAGTTTGTGGATGTTGAAAGATCTCCTGACCTGCCATATGTATACGTGAACTCTCTGGCACCATTAGA
AACCACAAGCCCATCCAGGTGGTCTCCGCATGCAGTTTGCAGACATATGCTTTCCCTTTGATATCCAGA
ACTGCAGCCTCACCTTTAATAGCATTCTGCACACAGTGAAGACATAGACCTGGGCTTCCCTGAGGAATAG
AGAAGACATCGAGAATGACAAAAGGGCTTTTATGAATGACAGTGAGTGGCAGCTTCTTTCTGTGTCTCT
ACTTACCACATCCGGCAGAGCAGCGCTGGAGACTTCGCACAGATTCGGTTCAACGTAGTGATCCGCAGAT
GTCCATTGGCCTACGTTGTGAGCCTCTTGATACCTAGCATCTTCTGATGCTCGTGGACCTGGGAAGCTT
CTACTTGGCCCCCACTGCCGTGCAAGAATTGTGTTCAAGACCAATGTGCTGGTGGGCTATACGGTCTTC
AGGGTCAACATGTCTGATGAAGTGCCAAGAAGTGCAGGGTGCACACCTCTGATTGGGCTCTTTTACCG
TCTGCATGGCCCTTTGGTTCTCAGTTTATCCAATCCATCTTGCTGATCAAATTCCTCTATGAGGAGCG
GCACAGTGGGCAAGAACGGCCTCTTATGTGCCTTCAAGGCGACTCTGATGCCGAGGAGTCTAGATTGTAC
CTCGGGGCTCCACGTGCTGACGTCACAGAGTCCCCGGTCCATCAGGAGCATCGGGTCCCATCAGATACTC
TGAAGGATTTCTGGTTCCAGTTCGGTCCATCAACAACCTCTTTCGAACTCGGGATCAGATTCACCAGAA
GGAGGTGGAGTGGCTGGCCATCTGTATCGTTTGATCAGCTGCTTCCGAATCTACCTTGCCGTGCTG
GGGCTCTATACCGTCACCTTATGCTCTCTGGGCACTGTGGAGCAGAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206966 representing NM_020274
 Red=Cloning site Green=Tags(s)

MILLWSCLLVAVVGILGTATPQPGNSSLHRLTRQLLQQYHKEVRPVYNWAEATTVYLDLCVHAVLDVDVQ
 NQKLKTSVWYREVWNEFLSWNSSLFDEIQEISLPLSALWAPDIIINEFVDVERSPLPYVYVNSSGTIR
 NHKPIQVVSACSLQTYAFPFDIQNCSLTFNSILHTVEDIDLGLFRNREDIENDKRAFMDNSEWQLLSVSS
 TYHIRQSSAGDFAQIRFNVVIRRCPLAYVVSLLIPSIFLMLVDLGSFYLPNCRARIVFKTNVLVGYTVF
 RVNMSDEVPRSAGCTPLIGVFFTVCMALLVLSLKSILLIKFLYEERHSGQERPLMCLQGDSDAEESRLY
 LGAPRADVTESPVHQEHRVPSDTLKDFWFQFRSINNSLRTRDQIHQKEVEWLAILYRFDQLLFRIYLAVL
 GLYTVTLCSLWALWSRM

TRTRPLE - GFP Tag - V

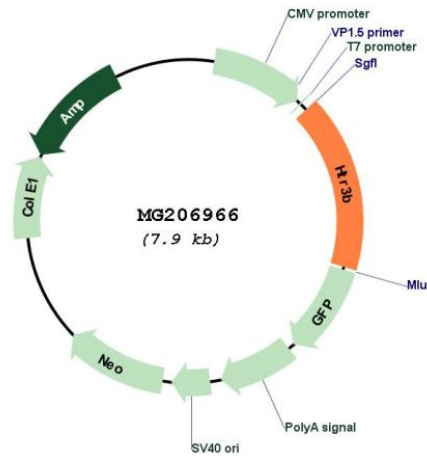
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_020274

ORF Size:	1311 bp
OTI Disclaimer:	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
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_020274.4
RefSeq Size:	2420 bp
RefSeq ORF:	1314 bp
Locus ID:	57014
UniProt ID:	Q9JHJ5
Cytogenetics:	9 A5.3
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. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses. It is a cation-specific, but otherwise relatively nonselective, ion channel.[UniProtKB/Swiss-Prot Function]