

Product datasheet for **MR206966**

Htr3b (NM_020274) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr3b (NM_020274) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htr3b
Synonyms:	5-HT3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206966 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTCTTCTGTGGTCCTGCCTCTGGTGGCTGTAGTAGGTATCCTAGGTACAGCGACACCTCAGCCTG
 GGAATTCTTCTCTGCACCGTCTCACCAGGCAGCTTTACAACAGTACCACAAGGAGGTCAGACCAGTTTA
 CAACTGGGCTGAGGCCACCACTGTCTACCTGGACCTTTGCGTCCATGCTGTATTGGATGTGGATGTGCAG
 AATCAAAAATTAAGACAAGCGTGTGGTACCGAGAGGTTTGAACGATGAGTTTTTGTCTGGAACCTCTA
 GTCTGTTCGATGAGATCAAGAGATCTCTCTCCCTCTCAGTGCCTCTGGGCCCTGATATCATCATTAA
 TGAGTTTGTGGATGTTGAAAGATCTCCTGACCTGCCCTATGTATACGTGAACTCTTCTGGCACCATTAGA
 AACCACAAGCCCATCCAGGTGGTCTCCGCATGCAGTTTGCAGACATATGCTTTCCCTTTGATATCCAGA
 ACTGCAGCCTCACCTTAAATAGCATTCTGCACACAGTGAAGACATAGACCTGGGCTTCTGAGGAATAG
 AGAAGACATCGAGAATGACAAAAGGGCTTTTATGAATGACAGTGAAGTGGCAGCTTCTTTCTGTCTCTCT
 ACTTACCACATCCGGCAGAGCAGCGCTGGAGACTTCGCACAGATTCGGTTCAACGTAGTATCCGCAGAT
 GTCCATTGGCCTACGTTGTGAGCCTCTTGATACCTAGCATCTTCTGATGCTCGTGGACCTGGGAAGCTT
 CTACTTGGCCCCAACTGCCGTGCAAGAATTGTGTTCAAGACCAATGTGCTGGTGGGCTATACGGTCTTC
 AGGGTCAACATGTCTGATGAAGTGCCAAGAAGTGACAGGTGCACACCTCTGATTGGGGTCTTCTTTACCG
 TCTGCATGGCCCTCTGGTTCTCAGTTTATCCAAATCCATCTTGCTGATCAAATTCCTCTATGAGGAGCG
 GCACAGTGGGCAAGAACGGCCTTATGTGCCCTCAAGGCGACTGTATGCCGAGGAGTCTAGATTGTAC
 CTCGGGGCTCCACGTGCTGACGTACAGAGTCCCCGGTCCATCAGGAGCATCGGGTCCCATCAGATACTC
 TGAAGGATTTCTGGTCCAGTCCGGTCCATCAACAACCTCTTTCGAACCTCGGGATCAGATTCACCAGAA
 GGAGGTGGAGTGGCTGGCCATCCTGTATCGCTTTGATCAGCTGCTCTCCGAATCTACCTGCCGTGCTG
 GGGCTCTATACCGTCACCTTATGCTCTCTGGGCACTGTGGAGCAGAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206966 protein sequence
 Red=Cloning site Green=Tags(s)

MILLWSCLLVAVVGILGTATPQPGNSSLHRLTRQLLQYHKEVRPVYNWAEATTVYLDLCVHAVLDVDVQ
 NQKLKTSVWYREVWNDEFLSWNSLFDIEIQEISLPLSALWAPDIIINEFVDVERSPDLPYVVNSSGTIR
 NHKPIQVVSACSLQTYAFPFDIQNCSLTFNSILHTVEDIDLGFLRNREDIENDKRAFMNDESEWQLLSVSS
 TYHIRQSSAGDFAQIRFNVVIRRCPLAYVVSLLIPSIFLMLVDLGSFYLPNCRARIVFKTNVLVGYTVF
 RVNMSDEVPRAGCTPLIGVFFTVCMALLVLSKSKSILLIKFLYEERHSGQERPLMCLQGDSDAEESRLY
 LGAPRADVTESPVHQEHRVPSDTLKDFFWFQFRSINNSLRTRDQIHQKEVEWLAAILYRFDQLLFRIYLAVL
 GLYTVTLCSLWALWSRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_020274

ORF Size: 1314 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:

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: 2411 bp

RefSeq ORF: 1314 bp

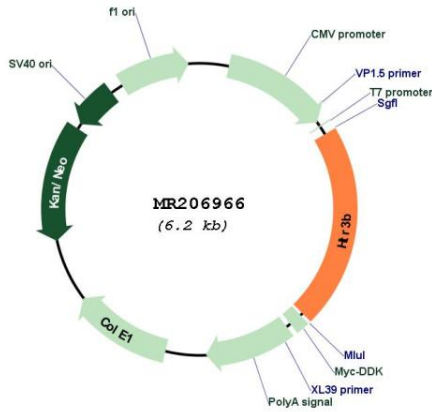
Locus ID: 57014

UniProt ID: [Q9JHJ5](#)
Cytogenetics: 9 A5.3

MW: 50.3 kDa

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]

Product images:



Circular map for MR206966