

Product datasheet for **RR216500**

Htr5b (NM_024395) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htr5b (NM_024395) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htr5b
Synonyms:	5Ht5b; REC17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216500 representing NM_024395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCTCTAACCTCTCAGGCGCCACCCTGGCATTGCCTTTCCTCCGGGACCCGAGAGCTGCAGTG
ACAGCCAAAGTTCGGCAGAAGCATGGGATCCACCCAGGGGGGCTCATCTTGCCGGCCGAGCCGCC
CTTCTCTGCCTTACCGTACTCGTGGTAACTCTACTGGTGTGCTGATCGCTGCCACTTTCTTATGGAAT
CTGCTAGTTCTGGTGACTATCCTGCGCGTCCGCGCCTTCCACCGTGTGCCACATAACTTGGTAGCCCTCGA
CCGCCGTCTCGGACGTCTGGTGGCGGCTCTGGTATGCCACTGAGCCTGGTGGAGGAGTTGTCGGCTGG
GCGACGTTGGCAGCTGGGAGGAGTCTGTGCCACGTGTGGATCTCCTTCGACGTGTTGTGCTGCACAGCC
AGCATCTGGAACGTGGCGGCCATCGCCCTGGATCGCTACTGGACTATCACGCGCCACCTGCAGTACACGC
TGCGCACCCGGCGCCGCGCTTACGCACTTATGATCGCGATCACCTGGGACTGTCCGCCCTCATCGCGCT
CGCCCCGTGCTCTTTGGCTGGGGCAAGCCTACGATGCTCGGCTGCAGCGTTGCCAGGTGAGCCAGGAG
CCTTCGTACGCCGCTTCTCCACCTGCGGAGCTTCTACGTGCTTGGCCGTGGTGTCTCGTCTACT
GGAAGATATAAAAGCCGCAAGTTTCGATTCGCGCCGAGACGGCGGGCGGTAGTGCCCTGCCCGCCAC
CACGCAGGCAAAGGAAGCACCTCAGGAGTCTGAGACGGTATTCACGCGCGGTTGCAGAGCGACAGTGCC
TTCCAGACAAGTGGAGACTCCTGGCGGGAGCAGAAGGAGAAGCGAGCCGCCATGATGGTGGGATCTTGA
TCGGTGTGTTGTGCTGTGCTGGATCCCCTTCTCCTGACGGAGCTCGTCAGCCCGCTCTGCGCCTGCAG
CCTGCCACCCATCTGAAAAGCATATTCTGTGGCTTGGCTATTCAAATTCGTTCTTCAATCCCTTAATC
TACACGGCCTTAATAAGAATAACAATGCCTTCAAGAGCCTTTACTAAGCAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216500 representing NM_024395
 Red=Cloning site Green=Tags(s)

MEVSNLSGATPGIAFPPGPESCDSPSSGRSMGSTPGGLILSGREPPFSAFTVLVVTLLVLLIAATFLWN
 LLVLVTILRVRAFHRVPHNLVASTAVSDVLVAALVMPLSLVSEL SAGRRWQLGRSLCHVWISFDVLCCTA
 SIWNVAAIALDRYWTITRHLQYTLRTRRRASALMIATWALSALIALAPLLFGWGEAYDARLQRCQVSQE
 PSYAVFSTCGAFYVPLAVVLFVYWKIYKAAKFRFGRRRAVVPLPATTQAKEAPQESVTFARCRATVA
 FQTSGDSWREQKEKRAAMVIGILIGVFVLCWIPFFLTELVSPLCACSLPPIWKSIFLWLGYSNSFFNPLI
 YTAFNKYNNNAFKSLFTKQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

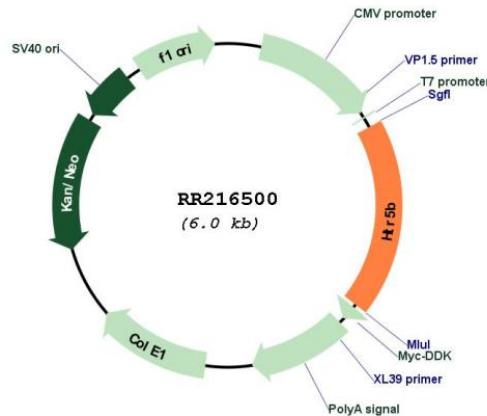
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_024395

ORF Size:	1110 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_024395.1 , NP_077371.1
RefSeq Size:	2223 bp
RefSeq ORF:	1113 bp
Locus ID:	79247
UniProt ID:	P35365
Cytogenetics:	13q11
MW:	41.1 kDa
Gene Summary:	G-protein coupled receptor for serotonin [RGD, Feb 2006]