

## Product datasheet for **RR213882**

### Htr1b (NM\_022225) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Htr1b (NM\_022225) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Htr1b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213882 representing NM\_022225  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGCAGGGTATTCAGTGCCTCCGCCCTCCGCCACCTCCAGACAGGGGTACCTCTCGCCA  
ACCTCTCCACAACGAGCGCCGACGACTACATTTACCAGGACTCCATCGCCCTGCCCTGGAAAGTCCT  
GCTGGTTGCTTTGTTAGCGCTCATCACCTTGCCACCAGCTCTCCAACGCCTTTGTAATCGTACGGTG  
TATCGGACCCGGAAGCTGCACACCCGGCTAACTACCTGATCGCCTCGCTGGCAGTCACTGACCTGCTCG  
TGTCATCCTGGTGATGCCCATCAGCACCATGTACACGGTCACTGGACGCTGGACACTAGGCCAGGTGGT  
CTGCGACTTCTGGCTGTCGTCGGATATCACCTGTTGCACTGCTTCCATCATGCATCTCTGTGCATCGCC  
CTGGACCGCTACTGGCCATCACTGATGCGGTGGACTATTCTGCTAAAAGAACTCCAAAAGGGCGGCCA  
TCATGATCGTGTGGTGTGGTCTTCTCCATCTCGATTTTCGTCGCCACCTTCTTCTGGCGTCAAGCCAA  
AGCGGAGGAGGAGGTGCTGGACTGCTTTGTGAACACCGACCACGCTCTACACGGTCTACTCCACGGT  
GGGGCTTTCTATTTACCCACCTGCTCCTCATCGCCCTCTATGGCCGTATCTATGTGGAAGCCCGCTCTC  
GGATTTTGAACAGACACCCAACAAGACCGGCAAGCGCTTGACCCGAGCCAGTTGATAACAGACTCTCC  
AGGATCCACGTCCTCGGTACCTCCATTAACCTCCGGGTTCCGGAGGTGCCAGTGAGTCCGGGTCTCCT  
GTGTACGTGAACCAAGTCAAAGTGCAGTCTCAGACGCCCTGCTGGAAAAGAAACTCATGGCCGCTA  
GGGAGCGCAAAGCCACCAAGACCCTAGGGATCATTTTAGGAGCATTTATTGTGTGCTGGCTCCCCTTCTT  
CATCATCTCCCTGGTGATGCCTATCTGCAAGGATGCCTGCTGGTTTACATGGCCATTTTACTTTTTC  
AATTGGCTAGGCTATCTTAACCTCTCATCAACCCATCATCTACACCATGTCCAATGAGGACTTCAAAC  
AAGCATTCCATAAACTGATACGCTTTAAGTGCACAGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR213882 representing NM\_022225  
 Red=Cloning site Green=Tags(s)

MEEQGIQCAPPSPATSQTGVPLANLSHNCASADDYIYQDSIALPWKVLVALLALITLATTLSNAFVIATV  
 YRTRKLHTPANYLIASLAVTDLLVSILVMPISTMYTGTGRWTLGQVVCDFWLSDDITCCTASIMHLCVIA  
 LDRYWAITDAVDYSAKRTPKRAAIMIVLVVWFSSISLPPFFWRQAKAEVEVLDCFVNTDHLVLYTVYSTV  
 GAFYLP TLLLIYGRIVYEARSRLKQTPNKTKRLTRAQLITDSPGSTSSVTSINSRVPEVPSSESGSP  
 VYVNQVKVRVSDALLEKKKLMARERKATKTLGIILGAFIVCWLPFFIISLVMPICKDACWFHMAIFDFF  
 NWLGYLNSLINPIIYTMSNEFDKQAFHKLIRFKCTG

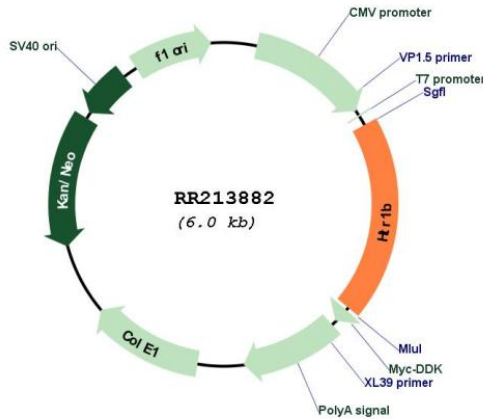
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_022225

<b>ORF Size:</b>	1158 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022225.1</a> , <a href="#">NP_071561.1</a>
<b>RefSeq Size:</b>	1161 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	25075
<b>UniProt ID:</b>	<a href="#">P28564</a>
<b>Cytogenetics:</b>	8q31
<b>MW:</b>	43.2 kDa
<b>Gene Summary:</b>	G-protein coupled receptor for serotonin; may have a role in learning and memory [RGD, Feb 2006]