

## Product datasheet for RR203771

### Htr7 (NM\_022938) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Htr7 (NM\_022938) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Htr7  
 Synonyms: 5Ht7  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR203771 representing NM\_022938  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGATGGACGTTAACAGCAGCGGCCGCCGACCTCTACGGCCATCTCCGTTCACTCATCTGCCGGAGG  
 TGGGGCGGGCTGCAGGACCTGAGCCCCGACGGTGGCGCCACCTGTGGTGAAGCTCCTGGATGCCGCA  
 CCTGCTGAGTGGCTTCTAGAGGTGACGGCTAGCCCGGCCACCTGGGACGCGCCACCGGACAATGTC  
 TCAGGCTGCGGGGAGCAGATCAACTATGGCAGAGTGGAGAAAGTTGTGATCGGCTCCATCCTGACGCTCA  
 TCACGCTGCTGACGATCGCAGGCAACTGCCTGGTGGTATCTCCGGTGTGCTTCGTCGAAGAGCTCCGCCA  
 GCCCTCCAACCTACCTGATTGTGTCCCTGGCGCTGGCTGACCTCTCGGTGGCCGTGGCGGTGATGCCTTTC  
 GTTAGTGTACCCGACCTCATCGGGGCAAGTGGATCTTCGGCCACTTCTTCTGCAACGTCTTCATCGCCA  
 TGGACGTATGTGCTGCACGGCCTCGATCATGACCCTGTGCGTGATCAGCATCGACAGGTACCTTGGGAT  
 CACGAGACCCCTCACGTACCCGGTGAGGCAAAATGGGAAATGTATGGCCAAAATGATTCTGTCCGGTCTGG  
 CTGCTCTCTGCCCTCCATCACCTTACCTCCTCTTTCGGATGGGCTCAGAATGTGAACGATGACAAAAGTGT  
 GCTTGATCAGCCAGGATTTTGGCTACACGATCTACTCCACTGCGGTGGCGTTTTATATCCCATGTCGGT  
 CATGCTGTTTCATGACTATCAGATTTACAAGGCCGCCAGGAAGAGTGCAGCCAAAACACAAGTTCACAGGC  
 TTCCCACGCGTGCAGCCGGAGAGTGTCTCTCCCTGAATGGTGTGGTGAAGCTCCAGAAGGAGGTGGAAG  
 AGTGTGCGAACCTTTCGAGACTGCTCAAACACGAAAGGAAAAACATCTCCATCTTCAAGCGGGAACAGAA  
 AGCAGCCACTACCTTGGGGATCATCGTGGGAGCCTTCACTGTGTGCTGGCTGCCGTTTTTCTCTGTCC  
 ACAGCCCCCCTTTATCTGTGGCACCTCCTGTAGCTGCATTCTCTGTGGGTGGAGAGGACATGTCTGT  
 GGCTGGGCTATGCAAACCTCTCTCATTAACTTTTATATATGCCTTCTTCAACCGGGACCTGAGGACCAC  
 CTATCGTAGCCTACTCCAGTGCCAGTACCGGAATATCAACCGGAAGCTCTGCTGCAGGCATGCATGAA  
 GCCTGAAACTTGCTGAGAGGCCCGAGAGATCCGAGTTTGTGCTG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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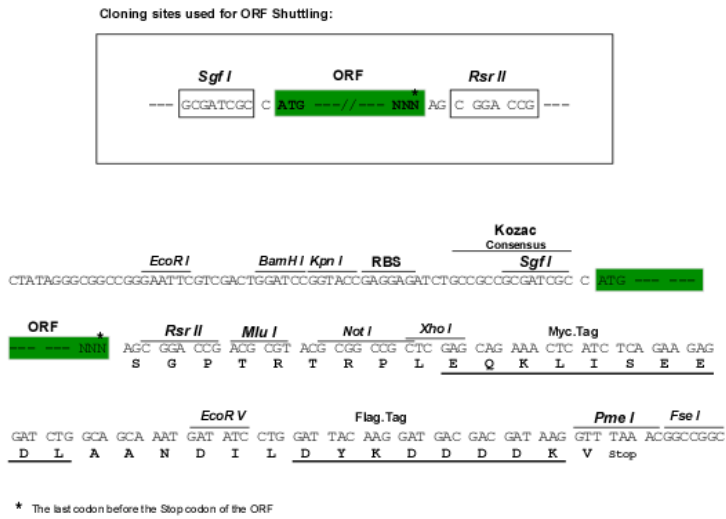
Protein Sequence: >RR203771 representing NM\_022938  
 Red=Cloning site Green=Tags(s)

MMDVNSSGRPDLYGHLRSLILPEVGRGLQDLSPDGAHPVVSSWMPHLLSGFLEVTASPAPTWDAPPDNY  
 SGCGEQINYGKRVVIGSILTLITLLTIAGNCLVVISVCFVKKLRQPSNYLIVSLADL SVAVAVMPF  
 VSVTDLIGGKWFVGHFFCNVFIAMDVMCTASIMTLCVISIDRYLGITRPLTYPVRQNGKCMAMILSVW  
 LLSASITLPLFGWAQNVNDDKVLISQDFGYTIYSTAVAFYIPMSVLMFYQQIYKAARKSAAKHKFPG  
 FPRVQPESVISLNGVVKLQKEVEECANLSRLLKHERKNISIFKREKQAATTLGII VGAFVTCWLPFFLLS  
 TARPFIGTSCSCIPLWVERTCLWLGYANSLINPFIYAFFNRDLRTTYRSLQCQYRNINRKL SAAGMHE  
 ALKLAERPERSEFVL

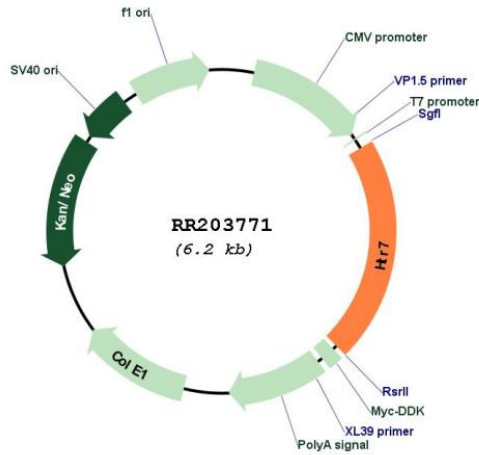
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_022938

<b>ORF Size:</b>	1305 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_022938.2</a> , <a href="#">NP_075227.1</a>
<b>RefSeq Size:</b>	1493 bp
<b>RefSeq ORF:</b>	1308 bp
<b>Locus ID:</b>	65032
<b>UniProt ID:</b>	<a href="#">P32305</a>
<b>Cytogenetics:</b>	1q53
<b>MW:</b>	48.4 kDa
<b>Gene Summary:</b>	receptor for 5-hydroxytryptamine; involved in modulatory action on cerebellar function [RGD, Feb 2006]