

## Product datasheet for **RR200650**

### Htr3a (NM\_024394) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htr3a (NM_024394) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htr3a
Synonyms:	5-HT3; 5-HT3A; 5HT3; Htr3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200650 representing NM\_024394  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGCTCTGCATCCCGCAGGTGCTGTTGGCCTTGTTCCCTTCCGTGCTGATAGCCAGGGAGAAGGCA  
 GCCGGAGAGGGCCACCCAGGCCACAGCACCACCAGCCTGCTCTGCTGAGGCTGTAGATCACCTCCT  
 GGTAACATAAGAAGGGAGTGC GGCCCTGTGCGGGACTGGAGGAAGCCACCCTGGTCTCCATTGATGTC  
 ATCATGTATGCCATCCTCAACGTGGATGAGAAGAACCAGGTTCTGACCACCTACATATGGTACCGGCAGT  
 TCTGGACCGACGAGTTTCTACAGTGGACTCCTGAGGACTTCGACAATGTACCAAATGTCCATCCCCAC  
 CGACAGCATCTGGGTCCCTGACATCCTCATCAATGAGTTTGTGGACGTGGGGAAGTCTCCAAGCATTCT  
 TATGTGTATGTGCACCATCAAGGTGAAGTCCAGAACAAGCCCTACAGCTGGTACCGCCTGTAGCC  
 TTGACATCTATAACTTCCGTTTCGATGTGCAGAACTGCTCTGACCTTACCAGCTGGTGCATACCAT  
 CCAGGACATCAACATTTCCCTGTGGCGAACACCAGAAGAAGTGAAGTTCGACAGAGCATCTTCATAAAT  
 CAGGGCGAGTGGGAGCTGCTGGGGGTGTTACCAAATTTCAAGGAGTTCAGTATAGAAACAGTAACAGCT  
 ATGCGGAAATGAAGTTCTACGTGGTCATCCGCCGGCGCCTTTATTCTACGCAGTCAGCCTCTTGCTGCC  
 CAGTATCTTCTCATGGTCGTGGACATTGTGGGCTTTTGTCTGCCCGGACAGTGGTGAGAGAGTGTCT  
 TTCAAGATCACGCTCCTTCTGGGATACTCAGTCTTCTCATCATCGTGTGACACACTGCCTGCAACGG  
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 GACCATCTTATTGTGCAGCTGGTGCATAAGCAGGATTTACAGCGCCCTGTACCTGACTGGCTGAGGCAC  
 CTGGTCTAGACAGAATAGCCTGGTGTCTGCTAGGGGAGCAGCCATGGCCATAGGCCCCAGCCA  
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 GGACTTGGAGAAGACCTCGAGGAGCAGAGATAGCCCTTTCACCACCAAGGGAGGCTCGCTGGCTGTG  
 CGTGGCCTCTTGAAGAGCTGTCTCCATCCGCCACTCCCTGGAGAAGCGGGATGAGATGCGGGAGGTGG  
 CAAGGGACTGGTTGCGGGTGGGATATGTGCTGGACAGGCTGCTGTTTCGCATCTACCTGCTGGCCGTGCT  
 GGCTTACAGCATCACCTGGTCACGCTCTGGTCCATTTGGCATTATTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200650 representing NM\_024394  
 Red=Cloning site Green=Tags(s)

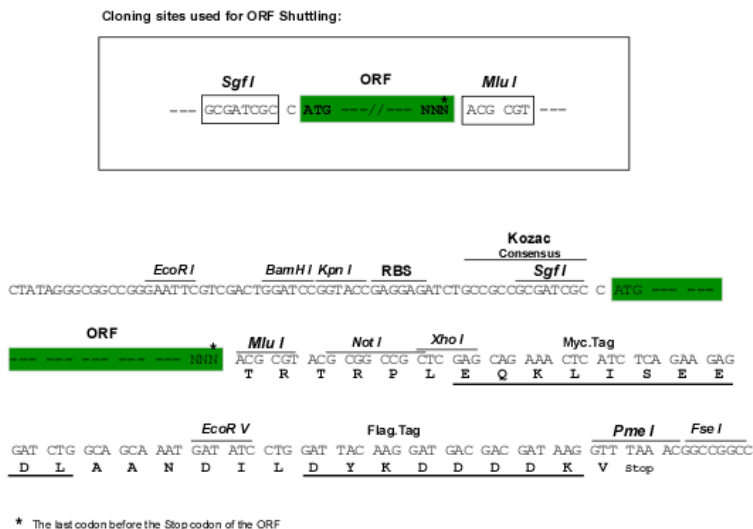
MPLCIPQVLLALFSLVLI AQEGSRRRATQAHSTTQPALLRLSDHLLANYKKGVRPVRDWRKPTLVSIDV  
 IMYAILNVDEKNQVL TTYIWYRQFWTDFLQWTPEDFDNVTKLSIPTDSIWVDPILINEFVDVGKSPSIP  
 YVYVHHQGEVQNYKPLQLVTACSLDIYNFPFDVQNSLTF TSWLHTIQDINISLWRTPEEVRSDKSIFIN  
 QGEWELLGVFTKFQEF SIETSNSYAEMKFYVYVIRRRPLFYAVSLLLPSIFLMVVDIVGFCLPPDSGERVS  
 FKITLLLGYSVFLIIVSDTLPATIGTPLIGVYFVVMALLVISLAETIFIVQLVHKQDLQRPVPDWRH  
 LVLDRIAWLLCLGEQPMHRPPATFQANKTDDCSAMGNHCSHVGPSQDLEKTSRSDSPLPPPREASLAV  
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**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

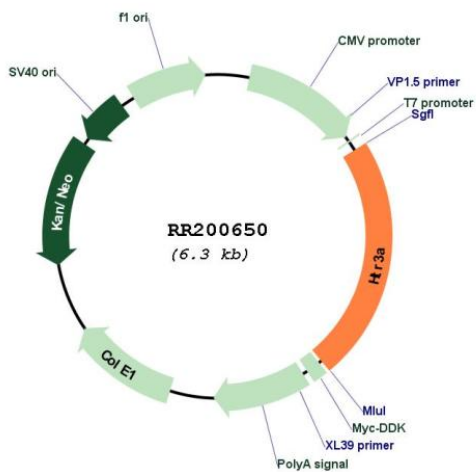
**Restriction Sites:**

SgfI-MluI

### Cloning Scheme:



### Plasmid Map:



ACCN: NM\_024394  
 ORF Size: 1449 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_024394.2</a> , <a href="#">NP_077370.2</a>
<b>RefSeq Size:</b>	2001 bp
<b>RefSeq ORF:</b>	1452 bp
<b>Locus ID:</b>	79246
<b>UniProt ID:</b>	<a href="#">P35563</a>
<b>Cytogenetics:</b>	8q23
<b>MW:</b>	55.4 kDa
<b>Gene Summary:</b>	receptor for 5-hydroxytryptamine (serotonin); functions as a ligand-gated ion channel [RGD, Feb 2006]