

## Product datasheet for **RN208836**

### Htr2a (NM\_017254) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htr2a (NM_017254) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Htr2a
Synonyms:	5-HT2A; 5Ht-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN208836 representing NM\_017254  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAATCTTTGTGAAGACAATATCTCTCTGAGCTCAATTCCAAACCTCTTAATGCAATTAGGTGATG  
 GCCCGAGGCTCTACCATAATGACTTCAACTCCAGAGATGCTAACACTTCGGAAGCATCGAACTGGACAAT  
 TGATGCTGAAAACAGAACCAACCTCTCCTGTGAAGGGTACCTCCCACCGACATGCCTCTCCATTCTTCAT  
 CTCAGGAAAAAACTGGTCTGCTTTATTGACAACTGTCGTGATTATTCTCACCATTGCTGGAAATATAC  
 TGGTCATCATGGCAGTGTCCCTAGAAAAAAGCTGCAGAATGCCACCAACTATTTCTGATGTCACTTGC  
 CATAGCTGATGCTGCTGGTTTCTTGTGCATGCCTGTGCCATGTTAACCATCCTGTATGGGTACCGG  
 TGGCCTTTCCTAGCAAGCTCTGTGCGATCTGGATTTACCTGGATGTGCTCTTTTCTACGGCATCCATCA  
 TGCACCTCTGCGCCATCTCCCTGGACCGCTATGTCGCCATCCAGAACCCATTACCACAGCCGCTTCAA  
 CTCAGAACCAAAAGCCTTCTGAAAATCATTGCCGTGTGGACCATATCTGTAGGTATATCCATGCCAATC  
 CCAGTCTTTGGACTACAGGATGATTCGAAGTCTTTAAGGAGGGGAGCTGCCTGCTTGCCGATGACAACT  
 TTGTTCTCATAGGCTCTTTGTGGCATTTCATCCCCCTAACCATCATGGTGATCACCTACTTCTCTGAC  
 TATCAAGTCACTTCAGAAAGAAGCCACCTTGTGTGTGAGTGACCTCAGCACTCGAGCCAACTAGCCTCC  
 TTCAGTTCCTCCCTCAGAGTTCCTGTGCATCAGAAAAGCTTCCAACGGTCCATCCACAGAGAGCCAG  
 GCTCCTACGCAGGCCGAAGGACGATGCAGTCCATCAGCAATGAGCAAAAGGCGTGAAGGTGCTGGGCAT  
 CGTGTTCCTCTGTTTGTGTAATGTGGTGCCATTCTTCATACCAATATCATGGCCGTCATCTGCAAA  
 GAATCCTGCAATGAAAATGTCATCGGAGCCCTGCTCAATGTGTTGTCTGGATTGGTTATCTCTCCTCAG  
 CTGTCAATCCACTGGTATATACGTTGTTCAATAAACTTATAGGTCCGCCTTCTCAAGGTACATTCAGTG  
 TCAGTACAAGGAAAACAGAAAGCCACTGCAGTTAATTTAGTGAACACTATACCAGCATTGGCCTACAAG  
 TCTAGTACGCTCCAGGTGGGACAGAAAAAGAACTCACAGGAAGATGCTGAGCAGACAGTTGATGACTGCT  
 CCATGGTTACTGGGGAAAACAGCTCGGAAGAGAATTGTACAGACAATATTGAAACCGTGAATGAAAA  
 GGTTAGCTGTGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1396\\_e02.zip](https://cdn.origene.com/chromatograms/ja1396_e02.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_017254

**Insert Size:** 1416 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>	<u><a href="#">NM_017254.1</a></u> , <u><a href="#">NP_058950.1</a></u>
<b>RefSeq Size:</b>	1566 bp
<b>RefSeq ORF:</b>	1416 bp
<b>Locus ID:</b>	29595
<b>UniProt ID:</b>	<u><a href="#">P14842</a></u>
<b>Cytogenetics:</b>	15q11
<b>Gene Summary:</b>	a receptor for 5-hydroxytryptamine (serotonin); activates phospholipase C signaling pathway; involved in promoting cellular transformation [RGD, Feb 2006]