

Product datasheet for RN212303

Htr1a (NM_012585) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Htr1a (NM_012585) Rat Untagged Clone
Tag: Tag Free
Symbol: Htr1a
Synonyms: 5HT1A; RAT5HT1A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212303 representing NM_012585
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGATGTGTTCAAGTTTGGCCAGGGCAACAACACCACAGCGTCCCAGGAGCCCTTTGGGACCGCGGCCA
 ACGTTACTAGCATCTCCGACGTGACCTTCAGCTACCAAGTGATCACCTCTCTGTTGCTGGTACTCTCAT
 TTTCTGGCGGGTCTCGCAATGCCTGCGTGGTTGCTGCCATCGCCCTGGAGCGCTCCCTCCAGAATGTG
 GCCAATATCTCATCGGCTCCTTGGCGGTTACTGATCTCATGGTATCAGTGCTGGTGCTGCCATGGCTG
 CTCTGTACCAGGTGCTCAACAAGTGGACCCTGGGCCAGGTACCTGCGACCTGTTTATCGCCCTGGATG
 ACTGTGCTGCACCTCGTCCATCTGCACCTGTGCGCCATCGCGCTAGACAGGTAAGTGGGCTATCACCGAC
 CCTATAGACTATGTGAACAAAAGGACGCCCGCGCGCCGCTGCGCTGATCTCGCTCACTTGGCTCATTG
 GCTTTCTCATCTCCATCCCGCCATGCTGGGCTGGCGCACCCCGGAAGACCGATCGGACCCCGACGCGTG
 CACCATCAGCAAGGACCACGGCTACACCATCTACTCCACTTTCGCGCTTTCTATATCCCGCTGTTGCTC
 ATGCTGGTTCTCTACGGGCGCATCTTCAGAGCCGACGCTTCCGAATCCGCAAGACTGTCAGGAAGTGG
 AAAAGAAGGGAGCAGGACACAGCTTAGGAACCTCGTGGCACCAGCCCGCAAGAAGAGCTGAACGGACA
 GCCAGGTAGTGGGACTGGAGGCGCTGTGCTGAGAACAGGGCGGTGGGACTCCGTGACTAATGGGGCA
 GTGAGGACGGGTGACGACGAGGCCACCTGGAGGTGATCGAGGTGCACCGAGTGGGCAACTCCAAAGAGC
 ACCTTCCTCTGCCAGCGAGTCAAGGATTAACCTCTATGCCCGCCGCTGTTGGAGAGAAAAATGAGCG
 CAATGCTGAAGCAAAGCGCAAGATGGCCTTGGCCCGTAAAGGAAGACGGTGAAGACTCTGGGCATCATC
 ATGGGCACCTTCATCTCTGCTGGTGGCGTTTTTCATTGTGGCTCTGGTCTGCCTTTCTGTGAAAGCA
 GCTGCCACATGCCTGCGTTGTTGGGTGCCATAATTAAGTGGCTAGGCTACTCCAACCTCCCTGCTCAATCC
 GGTTATTTATGCTTATTTCAACAAAGACTTTCAAACGCTTTTAAAGAAGATAATCAAGTGAAGTTCTGC
 CGCCGATGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_012585
Insert Size:	1269 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_012585.1</u> , <u>NP_036717.1</u>
RefSeq Size:	1269 bp
RefSeq ORF:	1269 bp
Locus ID:	24473
UniProt ID:	<u>P19327</u>
Cytogenetics:	2q13
Gene Summary:	regulates AMPA receptor channels in the prefrontal cortex; regulation is mediated via inhibition of Ca ²⁺ /calmodulin-dependent kinase II [RGD, Feb 2006]