

Product datasheet for **RR205830**

Htr1d (NM_012852) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Htr1d (NM_012852) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Htr1d
Synonyms: 5HT1D
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205830 representing NM_012852
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCGTGCCAAACCAGTCCCTAGAAGGCCTTCCTCAGGAGGCCTCCAACAGATCCCTGAATGCTACAG
GGGCTTGGGACCCAGAGGTCCTGCAGGCACTCAGAATCTCCCTCGTGGTGGTCTATCCATCATTACACT
GGCCACTGTCCTCTCAATGCCTTCGTACTTACCACCATCTGCTCACCAAGAAGCTCCATACCCCAGCC
AACTATCTCATTGGCTCCTTGGCCACCACCGACCTCCTGGTTTCTATCTTGGTCAATGCCATCAGCATAG
CCTATACCACCACCCGTACCTGGAACCTTGGCCAGATCCTGTGTGACATCTGGGTGTCTTCTGACATCAC
ATGCTGTACGGCCTCCATCCTGCATCTCTGTGTCATCGCTCTGGACAGATACTGGGCCATCACCGATGCC
CTGGAGTACAGCAAGCGCCGGACCCGAGGTCACGCGGGCGCCATGATTGCGGGCGTCTGGGCCATCTCCA
TCTGTATCTCCATCCCACCGCTCTTCTGGCGGCAGGCCACGGCTCACGAGGAGATGTCTGACTGCCTGGT
GAACACATCTCAGATTTCTTACACCATCTACTCGACCTGTGGGCCTTCTACATCCCATCCATCTTGCTC
ATTATCCTGTATGGCCGCATATACGTGGCCGCCGGAGTCGAATCCTGAACCCACCCTCCCTCTACGGGA
AGCGCTTACCACAGCACAGCTTATCACGGGCTCTGCGGGCTTCACTCTGCTCGCTCAACCCCAGCCT
CCACGAGAGCCACACGCACACAGTCGGTTCCCCTTTTTTTCAACCAGGTGAAAATCAAGCTTGCTGAT
AGCATCTTAGAACGCAAGAGGATCTCTGCAGCCCGAGAAAAGAAAGCCACTAAGACATTGGGCATATTC
TGGGGGCCTTTATCATCTGCTGGCTGCCTTTCTTTGTGGTATCCTTGGTCTCCCATCTGCAGGGACTC
CTGTTGGATCCACCCGGCCCTTTTACTTCTTACGTTGGCTAGGTTATTTAACTCTCTCATTAAACCC
GTCATCTACTGTGTTCAACGAAGACTTTCGACAAGCGTTTCAGAGAGTCGTCCATTTCCGAAAGGCCT
CT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205830 representing NM_012852
 Red=Cloning site Green=Tags(s)

MSLPNQSLEGLPQEASNRLNATGAWDPEVLQALRISLVVLSIITLATVLSNAFVLTITLLTKKLHTPA
 NYLIGSLATDDLVSILVMPISIAYTTRTWNFGQILCDIWWSSDITCCTASILHLCVIALDRYWAITDA
 LEYSKRRTAGHAAAMIAAVWAISICISIPPLFWRQATAHEEMSDCLVNTSQISYTIYSTCGAFYIPSILL
 IILYGRIYVAARSRLNPPSLYGKRFTTAQLITGSAGSSLCSLNPSLHESHHTHTVGSPLFFNQVKIKLAD
 SILERKRISAARERKATKTLGIILGAFIICWLPFFVSVLPLICRDSCWIHPALFDFFTWLGYLNSLINP
 VIYTVFNEDFRQAFQRVVHFRKAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

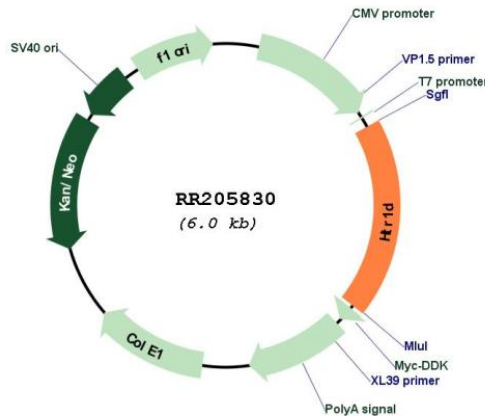
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012852

ORF Size:	1122 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_012852.1 , NP_036984.1
RefSeq Size:	1125 bp
RefSeq ORF:	1125 bp
Locus ID:	25323
UniProt ID:	P28565
Cytogenetics:	5q36
MW:	41.5 kDa
Gene Summary:	G-protein coupled receptor for serotonin; found in nociceptors throughout the body [RGD, Feb 2006]