

Product datasheet for **RR202575**

Htr1f (NM_021857) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Htr1f (NM_021857) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Htr1f
Synonyms: Htr1eb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202575 representing NM_021857
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTTCTAAACTCATCAGACCAAAATTTAACCTCAGAGGAAGTGTAAACCGAATGCCATCCAAA
TTCTGGTATCCCTCACTCTGTCTGGCCTGGCCTTGATGACAACCACCATCACTCCCTCGTGACTCTGC
AATCATTGTGACTCGGAAGCTGCACCACCAGCCAATTTAATCTGTTCTTGGCAGTTACAGACTTT
CTTGTTGCTGTCCCTGGTTATGCCCTTAGCATCGTGTACATTGTGAGCGAGAGTTGGATTATGGGACAAG
GACTCTGTGACCTTTGGCTGAGTGTGACATCATCTGCTGTAGCTGCTCCATCTTGCACCTGTCCGCTAT
AGCGTTGGATAGGTACCGAGCAATCACAGACGCAGTTCGAGTATGCCAGGAAGAGGACTCCCGGCATGCT
GGCATCACGATTACAACAGTGTGGGTTATATCTGTGTTTCCATCTCCATGCCTCCTCTTCTGGAGGCACC
AAGGAAATAGCCGTGATGATCAGTGTATCATCAAACATGACCATATTGTTCCACAATTTACTCCACGTT
TGGAGCCTTCTACATCCCACTTGTGTTGATATTGATCCTCTACTACAAAATATACAGAGCAGCAAGGACA
CTATACCACAAGAGACAAGCAAGTCGGATGATAAAGGAGGAAGTGAATGGCCAAGTCCTTTGGAGAGTG
GTGAGAAGAGCATTAAACTGGTCTCCACATCTACATGTTAGAAAAATCCTTATCTGATCCATCAACAGA
CTTTGATAGAATTCACAGCACAGTGAAGTCCCAGATCTGAGCTGAAGCACGAGAAATCTTGGAGAAGA
CAGAAAATCTCAGGCACTCGAGAACGAAAGCAGCCACTACCCTGGGATTGATCTTGGGCGCATTGTAA
TATGTTGGTTGCCCTTTTTGTAAGGAATTGGTTGTTAATATCTGTGAAAAATGAAAAATTTCTGAAGA
AATGTCAAATTTTTGGCATGGCTTGGTTACCTGAATTCTTTATAAACCCTGATTTATACCATCTTT
AATGAAGACTTTAAGAAAGCCTTCCAAAACCTGTACGATGTCGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202575 representing NM_021857
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MDFLNSSDQNL TSEELLNRMP SKILVSL TSLGLALMTT TINSLVITAIIVTRK LHHHPANYLICSLAVTDF
 LVAVLVMPFSIVYIVSESWIMGQGLCDLWLSVDIICCSILHL SAIALDRYRAITDAVEYARKRTPRHA
 GITITTTVWVISVFISMPPLFWRHQGNSRDDQCIKHDHIVSTIYSTFGAFYIPLVLILILYKIIYRAART
 LYHKRQASRMKEELNGQVLLLESGEKSIKLVSTSYMLEKSLSDPSTDFDRIHSTVKSPRSELKHEKSWRR
 QKISGTRERKAATTLGLILGAFVICWLPFFVKELV VNICCKCKISEEMSNFLAWLGYLNSLINPLIYTIIF
 NEDFKKAFQKLVRCRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

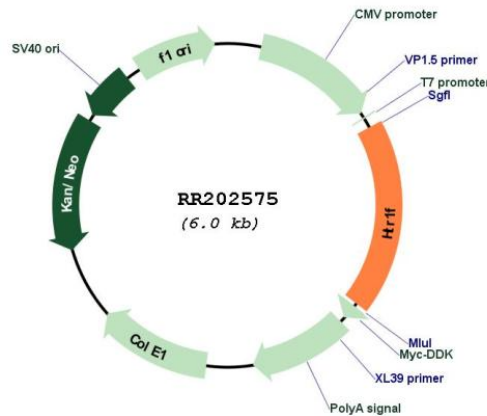
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_021857

ORF Size:	1098 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_021857.3 , NP_068629.2
RefSeq Size:	1401 bp
RefSeq ORF:	1101 bp
Locus ID:	60448
Cytogenetics:	11p12
MW:	41.8 kDa
Gene Summary:	G-protein coupled receptor for serotonin [RGD, Feb 2006]