

## Product datasheet for **RR203539**

### Htr4 (NM\_012853) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Htr4 (NM\_012853) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Htr4  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR203539 representing NM\_012853  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGACAGACTTGATGCTAATGTGAGTTCCAACGAGGGTTTCGGGTCTGTGGAGAAGGTCGTA  
CGTTCTTCGCAATGGTTATCCTGATGGCCATCCTGGCAACCTGCTGGTATGGTTGCTGTGTCAGGGA  
CAGGCAGCTCAGGAAAAAATAAACCAATTATTTTCATTGTGTCTCTTGCCCTTGCTGATCTGCTGGTTCCG  
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TGGTCCGACCTCTCTGGATGTCTACTACCACAGCATCAATTTTTACCTCTGCTGCATTTCCCTGGA  
TAGGTATTATGCCATCTGCTGTCAACCTTTGGTTATAGAAACAAGATGACCCCTCTACGCATCGCATT  
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GGTCAACAAGCCCTATGCCATCACCTGCTCTGTGGTGGCCTTCTACATCCCGTTTCTCCTCATGGTGTG  
GCCTATTACCGTATCTATGCTACTGCTAAGGAGCATGCCAGCAGATCCAGATGTTACAACGGGCAGGAG  
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CTGCTGTGATGATGAGCGCTACAAAAGACCCCCATTCTGGCCAGACTGTCCCTGTTCACCACAACC  
ATTAATGGATCCACTCATGTGCTAAGGGATACAGTGAATGTGGTGGCCAATGGGAGAGTCGGTGTCAAC  
TCACAGCAACTTCTCTTTGGTGGCTGCTCAGCCAGTGATACGTAGGCCCCAGGACAATGACCTAGAAGA  
CAGCTGTAGCTTGAAGAAGCCAGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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Protein Sequence: >RR203539 representing NM\_012853  
 Red=Cloning site Green=Tags(s)

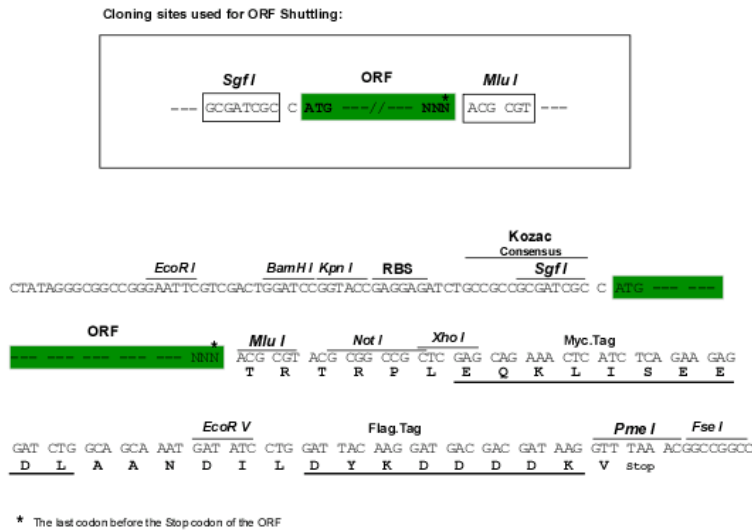
MDRLDANVSSNEGFGSVEKVLLTFFAMVILMAILGNLLVMVAVCRDRQLRKIKTNYFIVSLAFADLLVS  
 VLVNAFGAIELVQDIWFYGFEMFCLVRTSLDVLLTTASIFHLCCISLDRYAICCPPLVYRNKMTPLRIAL  
 MLGGCWVIPMFISFLPIMQGWNIGIVDVEIKRKFHNHNSNSTFCVFMVKNPYAITCSVVAFYIPFLMLVL  
 AYYRIYVTAKEHAQQIQMLQRAGATSESRPQTADQHSTHRMRTETKAAKTLCVIMGCFCFCWAPFFVTNI  
 VDPFIDYTVPEKVMTAFLWLGYSNGLNPFLYAFNLKSFRRFLIILCCDDERYKRPPILGQTVPCSTTT  
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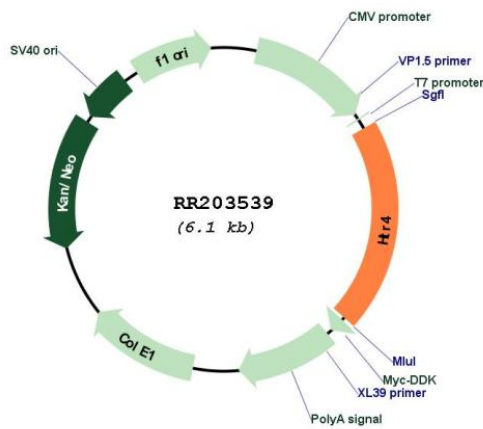
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_012853

<b>ORF Size:</b>	1218 bp
<b>OTI Disclaimer:</b>	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>
<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_012853.1</a> , <a href="#">NP_036985.1</a>
<b>RefSeq Size:</b>	1260 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	25324
<b>UniProt ID:</b>	<a href="#">Q62758</a>
<b>Cytogenetics:</b>	18q12.1
<b>MW:</b>	46.1 kDa
<b>Gene Summary:</b>	receptor for serotonin; may play a role in cognition and anxiolysis [RGD, Feb 2006]