

## Product datasheet for RN203918

### Htt (NM\_024357) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Htt (NM_024357) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Htt
Synonyms:	Hd; Hdh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203918 representing NM_024357 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAACCTGGAAAACTGATGAAGGCTTTCGAGTCGCTCAAGTCGTTCCAGCAGCAACAGCAGCAGC  
AGCAGCCGCCCGCAGGCGCCGCCACCACCGCCGCCCGCCGCTCAACCCCTCAGCCGCCCTCA  
GGGCAGCCGCCGCCACCACCGCGCTGCCAGGTCGGCCGAGGAGCCGCTGCACCGACCAAGAAGGAA  
CTCTCAGCCACCAAGAAGGACCGTGTGAATCACTGTCTAACAATATGTGAAAACATTGTGGCACAGTCTC  
TCAGAAATTTCCAGAATTTAGAACTCTTGGGCATTGCTATGGAAGTGTCTGCTGTGCAGCGACGA  
TGCGGAGTCAGACGTGAGAATGGTGGCTGATGAGTGCCTCAACAAAGTCATCAAAGCTTTGATGGACTCT  
AATCTTCCAAGGCTACAGTTAGAATCTATAAGGAAATTAAGGAAATGGTGTCTCCTCGAAGTTTGGCTG  
CAGCTCTGTGGAGGTTTGGCTGAGCTGGCTCACCTGGTTCGACCTCAGAAGTGCAGGCCTTATCTGGTGA  
TCTTCTCCATGTTTGACCCGAACAAGCAAACGACCGGAGGAGTCAGTTCAGGAGACTTTGGCTGCAGCT  
GTTCCATAAAATATGGCTCTTTGGCAATTTGCGAATGACAATGAAATTAAGGTTCTATTGAAAGCTT  
TCATAGCAAATCTGAAGTCAAGCTCTCCACTGTGCGGCGACAGCAGCTGGGTGACAGTATCTG  
CCAGCACTTAGGAGGACACAGTACTTCTACAAGTGGCTCCTGAATGTGCTCCTAGGTTTGGCTTCCC  
ATGGAGGAAGACCACCCACTCTCCTGATCCTTGGTGTGTTGCTCACACTGAGGTGTCTAGTGCCCTTGC  
TCCAGCAGCAGGTCAAGGACACAAGTCTAAAGGGCAGCTTTGGGGTAACACGAAAGAAATGGAAGTCTC  
TCCTTCTGCAGAGCAGCTTGTCCAGTTTATGAACTGACTTTGCATCACACACAGCACCAAGACCATAAT  
GTGGTGACAGGGGATTGGAGCTCTGCAGCAGCTTCCGTACCCCTCCACCTGAGCTGCTGCAAGCAC  
TGACCACACCAGGAGGGCTCGGGCAGCTACTCTGTTTCGAGAGGAAGCCGGGGCCGAGCCGACGCG  
GAGTATCGTGGAGCTTTAGCTGGAGGGGTTCTCATGCAGCCCTGTTCTCTCAAGAAAGCAAAAAGGC  
AAAGTGTCTTAGGAGAGGAAGAAGCCTTGGAGGATGACTCGGAGTCCAGGTCAGATGTCAGCAGCTCAG  
CCTTTGCAGCCTCTGTGAAGAGTGAGATTGGTGGAGAGCTCGCTGCTTCTTCTCGGGTGTCTCCACTCC  
CGGTTCTGTAGGTCACGACATCATCACTGAGCAGCCTCGATCCCAGCACACACTCAAGCAGACTCTGTG  
GATTTGTGAGGCTGTGACTTGACCAGTGTGCTACTGATGGAGATGAGGAAGACATCTTGAGCCACAGCT



[View online >](#)

CCAGCCAGTTCAGTGCTGTTCCATCCGACCCTGCCATGGACCTGAATGATGGGACCCAGGCCTCCTCACC  
 CATCAGTGACAGTTCTCAGACCACCCTGAAGGACCTGATTCAGCTGTGACTCCTTCTGACAGTTCTGAA  
 ATTGTCTTAGATGGTGCTGACAGCCAGTATTTAGGCGTGCAGATAGGACAGCCACAGGAGGAAGACGAGG  
 AGGAAGCTGCAGGTGTTCTTTCTGGTGAAGTCTCAGACGTTTTTCAGAACTCTTCTCTGGCCCTTCAGCA  
 GGCACACTTGTGGAAAGAATGGGTCAAGCCGGCAGCCTTCTGACAGCAGTGTGATAAGTTTGTTC  
 AAAGATGAGGTTGCTGAAGCTGGGACCCAGAAAGCAAGCCTTGCAGAACTCAAAGGTGACATAGGACAGC  
 CTAATGATGATGATTCTGCTCCTCTGGTACATTGTGTCCTGTTTTATCCGCTTCTTTTGTAACTGG  
 CGAAAAGAAAGCACTGGTTCAGACAGAGATGTGAGAGTCAAGTGTGAAGGCCCTGGCCCTCAGCTGTATT  
 GGTGCAGCTGTGGCCCTTCATCCAGAGTCGTTCTTCCAGCAAACTCTACAAAGTACCTCTCAGTACCATGG  
 AAAGTACTGAGGAACAGTATGTCTCTGACATCCTGAACTACATCGATCATGGAGACCCTCAGGTGCGAGG  
 AGCTACTGCCATTCTCTGTGGGACCCTGTCTACTCCATCCTCAGCAGGTCCCGTCTCCGTGTTGGTGAC  
 TGGCTGGGACCATCAGGGCCCTGACAGGAAATACATTTCTCTGGTGGACTGCATTCTTTACTGCAGA  
 AAATTTGAAGGATGAATCTTCTGTTACTTGAAGTTGGCTGTACAGCTGTGAGGCACTGTGCTCTGAG  
 TCTTTGCAGCAGCAGCTACAGTACTGGGATTACAAGTCTTATTGACATGCTGCCTCTGAAGAACAGC  
 TCCTACTGGCTGGTGGAGACTGAACTGCTGAAACTCTTGCAGAGATTGATTTTCAGGCTGGTGGATTTTT  
 TGGAGGCAAAAGCAGAAAGTTTACACCCAGGGGCTCATCATTATACAGGGTTTCTAAAACACAAGAAGC  
 AGTACTCAATAATGTGGTCATTTATTTGCTTGGAGATGAAGACCCAGGGTTCGACATGTTGCTGCGACG  
 ACATTTGACAAGACTTGTCCCAAAGCTGTTTTATAAGTGTGACCAAGGACAGGCTGACCCAGTCTGGCTG  
 TAGCAAGAGATCAAAGTAGTGTTCACCTGAAGCTCCTCATGATGAGACCCAGCCACCATCCCACTTCTC  
 CGTCAGCACCATAAACCAGAACTATAGAGGCTACAGCTTACTACCAAGTGAACAGATGTCACCATGGAA  
 AACAACTCTCAAGAGTCGTTGCCGAGTTTCTCATGAACTCATTACGTCAACTACACGGGCACTCAT  
 TTGGGTGCTGTGAAGCCTTGTGTCTTTTCAGCCGCTTTCAGTTTGCAGTGGAGTCTAGGATGGCA  
 CTGTGGAGTGCCCCCACTGAGTGCCTCATGAGTCCAGGAAGAGCTGCAGTGTGGGATGGCCTCCATG  
 ATTCTCACCTTGCTTTCATCAGCTTGGTCCCAGTGGATCTCAGCCCATCAGGATGCCTTGATTTTGG  
 CTGAAACTTGCTAGCAGCGAGTGCCCCCAAGTCTCTGAGAAGCTCATGGGCTCGGAAGAAGAAGGACG  
 CTCAGCAGCCACCAGACAGGAGGAGATCTGGCCTGCCCTGGGGATCGGACTCTGGTGCCCATGGTGGAG  
 CAGTTTTTCTCCACCTGCTGAAGGTGATCAATATCTGTGCTCATGTCTTGGATGACGTACTCTGGAC  
 CAGCAATCAAGGCAGCTTGGCTTCTCTCAAAACCCCTTCTCTAAGTCTATTTCGACGGAAAGGGAA  
 GGAAAGAGCCCGGAGAACAACATCCACTCCGATGAGTCCCAAGAAAGGTGGAGAGGCCAGTACAGCC  
 TCTCGACAGTCAAGACCTCAGGACCTGTACAGCGAGTAAATCATCTTCACTTGGGAGTTTCTACCATC  
 TCCCTTCTACCTCAGACTGCATGATGTCTGAAAGCCACTCACGCCAATAAAGTACACCTTAGATCT  
 TCAGAACAGCACTGAAAAGTTTGGGGGTTCTCTGCGCTCTGCCTTGGACGTCCTTCTCAGATTCTAGAG  
 CTGGCGCACTGCAGGACATTGAAAGTGTGTTGAAGAGGTCTTGGATACTTGAATCCTGCTTTAGTC  
 GAGAACCAATGATGGCGACTGTCTGTGTTGAGCAGCTATTGAAGACTCTTTTGGGACAACTTAGCCTC  
 ACAGTTTGTGGCTTATCTTCCAACCCAGCAAGTCTCAGTGCCGAGCACAGCGCCTTGGCTCTTCCAGT  
 GTGAGGCCCGGCTTATCACTACTGCTTATGGCACCATACACGCACCTCACGCAGGCTTTGGCTGATG  
 CCAGCCTGAGGAACATGGTACAGGCGGACCAGGAGCAGATGCCTCAGGGTGGTTTGTGACTCCAGAA  
 AGTGTCTGCTCAGTTGAAGACGAACCTTACAAGTGTCAAAAGAACCCTGCAGATAAGAAGCCTATTTCAT  
 AACCCATTAGGTTATTTGAGCCTTGTGTTATAAAAGCATTGAAGCAGTACACCAGCAACATCAGTAC  
 AACTGCAGAAGCAGGTTTTGGATTTGCTGGCACAGCTGGTTCAGCTACGGGTCAATTAAGTCTACTGGA  
 TTCAGATCAGGTGTTTCATCGGGTTGTGCTGAAGCAGTTTGAAGTACATTGAAGTGGGCCAGTTTCAGGAA  
 TCAGAGGCAATTAATCCAAATATATTTTCTTCTGTTACTATTATCTTATGAGCGCTACCATTCAAAAC  
 AGATCATTGGAATTCCTAAAATCATCCAGCTGTGTGATGGCATCATGGCCAGTGGAAAGGAAGGCTGTAC  
 ACATGCTATTCTGCGCTGCAGCCATTGTCCATGACCTCTTTGTGTTAAGAGGAACAAATAAAGCTGAT  
 GCAGGAAAGAGCTTGAACCCAGAAGGAGGTGGTGGTCTCAATGCTGTTACGACTCATCCAGTACCATC  
 AGGTGCTAGAGATGTTTCATCCTCGTCTGCAGCAGTGCCACAAAGAGAATGAGGACAAGTGGAAACGGCT  
 CTCTCGCAGGTGCAGACATCATCCTGCCATGTTAGCCAAGCAGCAGATGCATATTGACTCTCATGAA  
 GCCCTTGGAGTATTAATACCTGTTTGTGATTTGGCTCCTTCCCTACGTCCTGTGGACATGCTTT  
 TGGCGAGTATGTTTCATCACTCCAAGCACAATGGCATCTGTAAGCACTGTGCAGCTGTGGATATCTGGAAT  
 CCTAGCCATTCTGAGGGTCTCATTTCAGTCAACCGAAGACATTGTTCTTTCTCGTATTTCAGGAGCTC  
 TCTTCTCTCCATATTTAATTTCTGTCCAGTAATTAACAGGTTAAGGGATGGAGACAGTAAATCCAACAC  
 TAGGAGAACGCAGTGAAGGGAACAAGTAAAGAATTTGCCAGAAGATACATTCTCAAGGTTTCTTCTTACA

GCTGGTTGGTATTCTTCTGGAAGACATTGTTACAAAACAGCTCAAAGTGGACATGAGTGAACAGCAGCAT  
 ACATTCTATTGCCAAGAGCTCGGCACACTGCTCATGTGTCTGATCCACATATTCAAATCTGGAATGTTCC  
 GGAGAATCACAGCCGCTGCCACTAGACTCTTACCAGTGATGGCTGTGAAGGCAGCTTCTATACTCTAGA  
 TAGCCTGAATGCACGGGTGCGAGCCATGGTGCCACACACCCAGCTCTGGTACTGCTCTGGTGTGAGATC  
 CTACTGCTCATCAACCACACTGACCACCGATGGTGGGCGAGGTGCAGCAGACGCCAAGAGACACAGTC  
 TGTCTGCACGAAGTCACTAAACCCAGATATCTGCTGAAGAGGATTCTGGCTCAGCAGCTCAGCTTGG  
 AATGTGCAATAGAGAAATAGTACGAAGAGGGCCCTTATTCTTCTGTGATTATGTCTGTGCAATCTC  
 CATGACTCAGAACAACATAACATGGCTCATTGTGAATCACATTCAAGATCTGATCAGCTTGTCCCAGAGC  
 CTCAGTTCAAGACTTTATTAGTGCCATTATCTGTAATTCTGCAGCTAGTGGTCTTTTTATCCAGGCAAT  
 TCAGTCTCGCTGTGAAAATCTTTCAACTCCAACACTCTGAAGAAAACACTTCAGTGCTTGAAGGCATC  
 CATCTCAGCCAGTCTGGTGTGTGCTCACACTGTATGTGGACAGGCTACTGGCACCCCTTTCCGTGCGC  
 TGGCTCGCATGGTCGACACCCTGGCCTGTGCGGAGTAGAAATGCTTTTGGCTGCAAAATACAGAGCAG  
 CATGGCCAGTTGCCAGAGGAGAACTGAACAGAAATCCAGGAACACCTCCAGAACACTGGGCTTGACAAA  
 AGACACCAAAGGCTCTATTCAGTCTGGACAGATTCGACTCTCTACTGTGCAGGACTCACTTAGCCCT  
 TGCCCCAGTCACTTCCCACCCTCTGGATGGGGATGGGCACACATCCCTGGAAACAGTGAATCCGGACAA  
 AGACTGGTACCTCCAGCTTGTGAGATCCAGTGTGGACCAGGTGAGATTCTGCAGTCTGGAAGGTGCA  
 GAGCTGGTGAACCGTATCCCTGTGAAGATATGAGTGACTTCATGATGAGCTCGGAGTTCACCTAAGCC  
 TTTTGGCTCCCTGCTTAAGCCTTGGCATGAGCGAGATTGCTAATGGCCAAAAGAGTCCCCTTTTGAAGC  
 GGCTCGTAGGGTACTCTGGACCGGTGACCAATGTGGTTCAGCAGCTGCCTGCAGTCCATCAAGTCTTC  
 CAGCCTTCTGCTACAGAACCACAGCCTACTGGAGCAAGTGAATGATCTCTTTGGTGATACCACAT  
 CATAACAGTCTCTGACCACACTTGCCGTGCCCTGGCACAGTACCTGGTGGTGTCTCCTAAAGTGCCTGC  
 TCCTTTGCACCTTCTCTGAGAAGGAGGGGCACACGGTGAAGTTTGTGGTAATGACACTTGAGGCCCTG  
 TCATGGCATTGTGATCCATGAGCAGATCCCACTGAGTCTGGACTCCAAGCCGGCTAGACTGCTGCTGC  
 TGGCAGTGCAGGTGCCTGGCCTCTGGGGGTGCTGCTCCTCCAGAGTAGGTGACTCATACTTGTCCCT  
 TATCCACTGTGTGCGATTATCTGGAAGCCATTGCAAGTACAACCTGGAGACCAACTTCTTGGTCCGGAA  
 AGCAGGTACATACTCCAAGGGCTGTGAGAAAGGAGGAAGTAGACTCAGATATACAAAACCTCAGTCACA  
 TCACTTCCGCCTGCGAGATGGTGGCAGACATGGTGAATCCCTGCAGTCCGTGCTGGCCCTGGGCCACAA  
 GAGGAACAGCACCTACCTTCACTTCTCACAGCTGTGCTGAAGAACATTGTTGTCAGTCTGGCCCGCTC  
 CCCCTCGTTAACAGCTATACTCGTGTGCCTCCTCTGGTATGGAACTCGGGTGGTCAACCAAGCCTGGAG  
 GGGATTTCCGCACAGTGTTCCTGAGATCCCTGTAGAGTTCCTCCAGGAGAAGGAGTCCCTAAGGAGTT  
 CATCTACCGCATCAACACCTAGGGTGGACCAGTCTCAATTCGAAGAACTTGGGCCACCCTCCTT  
 GGTGCTCCTGGTACTCAGCCCTTGGTGTGGAACAGGAAGAGAGCCACCAGAGGAAGACACCGAAAGGA  
 CCCAGATCCACGTCTGGCTGTACAGGCCATCACCTCTCTAGTGCTCAGCGCAATGGCTGTGCTGTGGC  
 TGGCAATCCAGCTGTAAGCTGCTTGGAGCAACAGCCCCGGAACAAGCCACTGAAGGCTCTCGATACCAGA  
 TTTGGAAGAAAGTTGAGCATGATCAGAGGGATTGTAGAACAAGAAATCCAAGAGATGGTTTCCCAAAGAG  
 AGAATACTGCCACTCATCTTCTACCAGGCATGGGATCCTGTCCCTTCTCTGTTACCAGTACTACAGG  
 TGCTCTTATCAGCCATGACAAGTGTGCTGCAGATCAACTCAGAGCGGGAGCCAGGCAACATGAGCTAC  
 AAGCTGGGCCAGGTGTCCATACACTCCGTGTGGCTGGGGAACAACATCACACCCCTGAGAGAGGAGGAAT  
 GGATGAGGAGGAGGAGGAAGAAGCGGATGCCCTGCGCCAACATCACACCTGTGTCTCCAGTCAATTC  
 CAGAAAACACCGTGTGGGTTGATATTCACTCCTGTTCCAGATTCTGCTTGAATTATACAGCCGTTGG  
 ATCCTGCCATCCAGTGCAGCCAGAAGGACCCCTGTATCCTGATCAGTGAAGTGGTTCGATCTCTCTTGT  
 TGGTGTGAGACTTATTCACTGAACGTACCCAGTTTGAATGATGTATCTGACGCTGACAGAACTACGGAG  
 AGTGCACCCTTCAAGAGATGAGATCCTCATTCAATACCTGGTGCCTGCCACCTGTAAAGCAGCTGCTGTT  
 CTTGGAATGGACAAAACACTGTGGCAGAGCCGGTCAAGCCCTACTGGAGAGCACACTCAGGAGCACCACC  
 TGCCCAGCCAGATCGGAGCCCTGCATGGCATCCTCTATGTGTTGGAGTGTGACCTCTGGATGACTGT  
 AAAGCAGCTCATTCCAGTTGTTAGTGACTATCTGCTGTCCAACCTCAAAGGAATAGCCCACTGCGTGAAC  
 ATTCACAGCCAGCAGCATGTGCTGGTGTGTGCTGCACTGATCTACCTGATGGAAAACCTACCCTCTGG  
 ATGTGGGGCCAGAATTCTCAGCATCTGTGATACAGATGTGTGGAGTAATGCTGTCTGGAAGTGAAGGAGTC  
 CACCCCTCCATCATTTACCACTGTGCCCTCCGGGTCTGGAACGGCTCCTGCTGTCTGAGCAGCTCTCT  
 CGGCTAGACACGGAGTCTTGGTCAAGTAAGTGTGGACAGAGTGAATGTACAAAGCCACACAGGGCCA  
 TGGCAGCCCTAGGCTGTGTTACCTGCATGTACACAGGAAAGGAAAAGCCAGTCCAGGCAGAGCTTC  
 TGACCCAGCCCTGCTACCCCTGACAGCGAGTCTGTGATTGTAGCTATGGAGCGAGTGTCTGTGCTCTT

GACAGGATCCGCAAGGGATTTCCCTGTGAAGCCAGGGTCGTGGCAAGGATCCTGCCTCAGTTTCTAGATG  
ACTTCTTTCCACCTCAAGATGTCATGAACAAAGTCATTGGAGAGTTTCTGTCCAACCAGCAGCCATACCC  
ACAGTTCATGGCCACTGTAGTATACAAGGTTTTTCAGACTCTGCACAGTCTGGGCAGTCATCCATGGTC  
CGGGACTGGGTTATGCTGTCTGTCCAACCTCACACAAAGAAGTCCAGTTGCCATGGCCATGTGGAGCC  
TCTCCTGCTTCTTGTGTCAGTGCATCTACCAGCCCATGGGTTTCTGCAATCCTTCCACACGTCATCAGCAG  
GATGGGCAAAGTGGAGCAGGTGGATGTGAACCTTTTCTGCCTGGTTGCCACAGACTTCTACAGACACCAG  
ATAGAGGAGGAATTCGACCCGAGGGCTTCCAGTCTGTGTTTGGAGTGGTGGCAGCACCAGGAAGTCCAT  
ACCACAGGCTGCTTGCTTGTGTTTGC AAAATGTTCAAGGTCACCGCCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_024357
<b>Insert Size:</b>	9363 bp
<b>OTI Disclaimer:</b>	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).
<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_024357.3</a> , <a href="#">NP_077333.2</a>
<b>RefSeq Size:</b>	13189 bp
<b>RefSeq ORF:</b>	9363 bp
<b>Locus ID:</b>	29424
<b>Cytogenetics:</b>	14q21
<b>Gene Summary:</b>	necessary for normal neuronal development; mutation of human homolog is associated with Huntingtons disease [RGD, Feb 2006]