

## Product datasheet for **MC219799**

### Hap1 (NM\_177981) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hap1 (NM_177981) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hap1
Synonyms:	HAP; HAP-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219799 representing NM\_177981  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGCCCGAAAGAGCAGGTGCAGAGCGGTGCGGGAGACGGGACAGGGTTCGGGGACCCAGCAGCAGGCCA  
 CCCCCAGACCCAGCCTGCAGTTGGTCCCCTCCGGAGCCCTCGGCGGAGCCAAACCTGCCTCAGCGCA  
 GGGAAACCGGTCCGGACAAAAATCAGGATCCCGAACCAAGACAGGAAGCTTTTGTGCGTCCATGATCATT  
 GGTGATTCGGACGCACCATGGACCCGCTACGTATTCCAGGGGCCCTACGGTCCCCGGGCCACTGGCCTGG  
 GCACTGGAAGGCGGAGGAATCTGGAAGACACCAGCCGCTACATCGGCCGGAGGCCGGCGTGTCCGG  
 CCCTGAGCGTGCAGCGTTTATTCGAGAGCTGCAGGAAGCGTTGTGTCTAATCCACCACCCACGAAGAAG  
 ATCACCGAAGATGATGTCAAAGTGTGTTGATTTGCTGGAAGAGAAAGAACGGGACCTGAACACAGCCG  
 CCCGGATCGCCAGTCCCTGGTAAACAGAACAGTGTCTTGATGGAGGAGAATAAAGCTGGAACCAT  
 GCTGGGCTCAGCCAGGGAGGAGATTTTACATCTCCGGAAGCAGGTGAACCTGCGAGATGACCTTCTTCAG  
 CTCTACTCAGACTCTGATGACGATGATGATGAGGAAGACGAGGAAGACGAGGAAGAGGGCGAAGAGGAGG  
 AACGAGAAGGACAGAGGGATCAAGACCAGCAGCAGCACCCCTATGGTGCCCCAAGCCACACCCATAA  
 GGCTGAGACAGCGCACCGCTGCCACAGCTGGAACCCCTGCAGCAGAAGCTCAGGCTTCTGGAGGAAGAG  
 AACGACCACCTGCGAGAGGAGGCCCTCCCACCTTGACAACCTGGAGGACGAAGAGCAGATGCTCATTCTGG  
 AATGTGTGGAGCAGTTCTCTGAAGCCAGCCAGCAGATGGCAGAGCTATCGGAAGTGTGGTGTGGAGGCT  
 GGAAGGCTATGAGAGGCAGCAGAAAGAGATCACTCAGCTGCAGGCCGAGATCACCAAGCTACAACAGCGT  
 TGTCAGTCTTATGGGGCCAGACAGAGAAACTGCAGCAGATGCTGGCCTCAGAGAAGGGGATCCACTCGG  
 AGAGCCTGCGAGCTGGCTCCTACATGCAGGATTATGGGAGCAGGCCCTCGTGACCGCCAGGAGGATGGGAA  
 GAGTCATCGCCAGCGCTCCTCCATGCCCGCAGGCTCTGTCAACCACTATGGATACAGTGTGCCTCTGGAT  
 GCACCTTCAAGTTTCCCAGAGACTGGCTGAGGAGCTCCGAACATCTCTGAGGAAGTTCATCACTGACC  
 CTGCGTATTTTCATGGAGAGACTGACACTCACTGCAGGGAGGGCGGAAGAAGGAGCAGAGGGCGATGCC  
 ACCCCCACCGCTCAAGATCTCAAGCCACCTGAAGATTTTGGGCTCCAGAGGAGTTGGTCTCCTGAGGAG  
 GAGCTGGGGGCCATCGAAGAGGTGGGGACAGCTGAGGATGGGCAGGCAGAAAGAGAACGAGCAGGCGTCTG  
 AGGAGACCAGGCCTGGGAGGAGGTGGAACCGGAGGTGGACGAGACCACAAGGATGAATGTGGTGGTCTC  
 CGCCCTGGAGGCCAGTGGCCTGGGCCCTCCCACCTGGACATGAAGTATGCTCTCCAGCAACTGTCCAAC  
 TGGCAGGACGCCACTCTAAGCGCAGCAGAAGCAGAAGTGGTCCAAAAGACTCCCCAACCCCGCAGC  
 AGCAAACAACATGGGGGGCGGGATCCTGGAGCAGCAGCCAGAGTGCCGACCCAGGACTCTCAGAGGCT  
 GGAGGAGGACAGGGCCACTCACTCTCCAGTGCCAGGGAGGAAGAGGGGCCCTTCTGGGGCCACT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_177981

**Insert Size:** 1887 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:**

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\\_177981.2](#), [NP\\_817090.1](#)

**RefSeq Size:** 3225 bp

**RefSeq ORF:** 1887 bp

**Locus ID:** 15114

**UniProt ID:** [O35668](#)

**Cytogenetics:** 11 D

**Gene Summary:** The protein encoded by this gene was first identified as a neuronal protein that binds the HD protein huntingtin. The protein also interacts with kinesin light chain, 14-3-3 proteins, and Abelson helper integration site 1 protein. The protein is involved in intracellular trafficking of vesicles and organelles, and lack of the protein results in neuronal death resembling the hypothalamic degeneration that occurs in Huntington's disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]  
Transcript Variant: This variant (2) encodes the longest isoform (B).