

## Product datasheet for **MC200159**

### Hprt (NM\_013556) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hprt (NM\_013556) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hprt  
**Synonyms:** C81579; HPGRT; Hpr; Hprt1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC004686 sequence for NM\_013556  
 GCACCTCCTCCGCCGCTTCTCCTCAGACCGCTTTTGGCCGCGACCGACCGGTCGCCGTCATGGCGACC  
 CGCAGTCCCAGCGTCGTGATTAGCGATGATGAACCAGGTTATGACCTAGATTTGTTTTGTATACCTAATC  
 ATTATGCCGAGGATTTGGAAAAAGTGTTTATTCCTCATGGACTGATTATGGACAGACTGAAAGACTTGC  
 TCGAGATGTCATGAAGGAGATGGGAGGCCATCACATTGTGGCCCTCTGTGTGCTCAAGGGGGCTATAAG  
 TTCTTTGCTGACCTGCTGGATTACATTAAGCACTGAATAGAAATAGTGATAGATCCATTCTATGACTG  
 TAGATTTTATCAGACTGAAGAGCTACTGTAATGATCAGTCAACGGGGACATAAAAGTTATTGGTGGAGA  
 TGATCTCTCACTTAACTGAAAGAATGTCTTGATTGTTGAAGATATAATTGACACTGGTAAAACAATG  
 CAAACTTTGCTTCCCTGGTTAAGCAGTACAGCCCAAATGGTTAAGGTTGCAAGCTTGCTGGTAAAA  
 GGACCTCTCGAAGTGTTGATACAGGCCAGACTTTGTTGGATTTGAAATCCAGACAAGTTTGTGTTGG  
 ATATGCCCTTGACTATAATGAGTACTTCAGGGATTTGAATCACGTTTGTGTCATTAGTAAACTGGAAAA  
 GCCAAATACAAAGCCTAAGATGAGCGCAAGTTGAATCTGCAAATACGAGGAGTCCTGTTGATGTTGCCAG  
 TAAAATTAGCAGGTGTTCTAGTCCTGTGGCCATCTGCCTAGTAAAGCTTTTTGCATGAACCTTCTATGAA  
 TGTTACTGTTTTATTTTAGAAATGTCAGTTGCTGCGTCCCAGACTTTTGATTTGCACTATGAGCCTAT  
 AGGCCAGCCTACCTCTGGTAGATTGTCGCTTATCTTGTAAAGAAAAACAATCTCTTAAATTACCACTTT  
 TAAATAAATACTGAGATTGTATCTGTAAGAAGGATTTAAAGAGAAGCTATATTAGTTTTTTAATTGGT  
 ATTTTAATTTTTATATTCAGGAGAGAAAGATGTGATTGATATTGTTAATTTAGACCAGTCTGAAGCTC  
 TCAATTTCTATCAGTAACAGCATCTAAGAGGTTTTGCTCAGTGAATAAACATGTTTCAGCAGTGTGG  
 CTGTATTTTCCCACATTCAGTAAATCGTTGTCAACAGTTCTTTTAAATGCAAATAAATAAATTTCTAAAA  
 ATTCAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_013556  
**Insert Size:** 657 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC004686](#), [AAH04686](#)

**RefSeq Size:** 1281 bp

**RefSeq ORF:** 657 bp

**Locus ID:** 15452

**UniProt ID:** [P00493](#)

**Cytogenetics:** X 29.31 cM

**Gene Summary:** The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. [provided by RefSeq, Sep 2015]