

## Product datasheet for RN204071

### Hprt1 (NM\_012583) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Hprt1 (NM\_012583) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Hprt1  
 Synonyms: Hgpptase; Hprt  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN204071 representing NM\_012583  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCGACCCCTCAGTCCCAGCGTCGTGATTAGTGATGATGAACCAGGTTATGACCTAGATTTATTTTGC  
 TACCTAATCATTATGCTGAAGATTTGGAAAAGGTGTTTATTCCTCATGGACTGATTATGGACAGGACTGA  
 AAGACTTGCTCGAGATGTCATGAAGGAGATGGGAGGCCATCACATTGTGGCCCTCTGTGTGCTGAAGGG  
 GGCTATAAGTTCTTTGCTGACCTGCTGGATTACATTAAGCGCTGAATAGAAATAGTGATAGGTCCATTC  
 CTATGACTGTAGATTTTATCAGACTGAAGAGCTACTGTAATGACCAGTCAACGGGGACATAAAAAGTTAT  
 TGGTGGAGATGATCTCTCAACTTAACTGGAAAGAACGCTTGTGTTGAAGATATAATTGACTGCTGGT  
 AAAACAATGCAGACTTTGCTTTCCTTGGTCAAGCAGTACAGCCCCAAAATGGTTAAGGTTGCAAGCTTGC  
 TGGTGGAAAGGACCTCTCGAAGTGTGGATACAGGCCAGACTTTGTTGGATTTGAAATCCAGACAAGTT  
 TGTTGTTGGATATGCCCTTGACTATAATGAGCACTTCAGGGATTTGAATCATGTTTGTGTCATCAGCGAA  
 AGTGAAAAGCCAAGTACAAAGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_012583  
 Insert Size: 657 bp



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<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_012583.2</a> , <a href="#">NP_036715.1</a>
<b>RefSeq Size:</b>	1260 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	24465
<b>UniProt ID:</b>	<a href="#">P27605</a>
<b>Cytogenetics:</b>	Xq37
<b>Gene Summary:</b>	catalyzes the conversion of IMP and diphosphate to hypoxanthine and 5-phospho-alpha-D-ribose 1-diphosphate [RGD, Feb 2006]