

## Product datasheet for **RN210564**

### Hpd (NM\_017233) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hpd (NM_017233) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hpd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210564 representing NM_017233 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAACCTACAGCAACAAAGGACCAAAAGCCTGAGAGAGGCCGGTTCCTCCATTTCCACTCTGTGACCT  
TCTGGGTTGGCAACGCCAAGCAGGCTGCCTCCTTCTATTGCAACAAGATGGGCTTCGAACCGCTGCCTA  
CAAGGGCTGGAGACGGGCTCCCGGAGGTGGTCAGTCATGTCATCAAGCAAGGAAAATGTGTTGTT  
CTCTGCTCTGCTCAATCCCTGGAACAAAGAGATGGGTGACCACCTGGTGAAGCATGGTATGGCGTAA  
AGGACATCGCATTGAGGTGGAAGACTGTGAACACATTGTGCAGAAAGCCGAGAACGGGGCGCTAAAAT  
TGTACGGGAGCCATGGGTGGAGGAAGACAAATTCGGGAAGGTGAAGTTCGCTGTGCTGCAGACGTATGGA  
GATACCACGCACACCCTGGTGGAGAAGATCAACTACACCGGTCGTTTCTTACCTGGATTCGAGGCCCCAA  
CATACAAGGACACCCTACTTCCAAAACCTACCCAGCTGTAACCTGGAGATCATCGACCATATTGTAGGCAA  
CCAGCCCGACCAGGAAATGGAGTCTGCCTCAGAATGGTACCTGAAAAACCTGCAGTTCACCGGTTCTGG  
TCTGTAGACGACACACAGGTGCACACGGAGTATAGCTCTCTGCGCTCCATCGTGGTGGCCAACTATGAGG  
AGTCCATCAAAATGCCCATTAATGAACCGCCCGGGCAGGAAGAAGTCTCAGATCCAGGAATATGTGGA  
CTATAATGGGGGTGCTGGGGTCCAGCACATCGCTCTCAGGACCGAAGACATCATCAACGATCCGCCAC  
TTGAGGGAACGAGGCATGGAGTCTTGGCTGTCCCGTCTTCTTACTACAGACTGCTTCGGGAGAATCTCA  
AGACCTCCAAGATCCAAGTGAAGGAGAACATGGATGTCTTGGAGGAGCTAAAAATCCTGGTAGACTACGA  
TGAGAAAGGCTACCTCCTACAGATCTTCAACAAGCCCATGCAGGACCGGCCACGCTCTTCTTGGAAATC  
ATCCAACGCCACAACCACAGGGCTTGGAGCAGGTAACCTCAACTCTCTGTTCAAAGCTTTCGAAGAGG  
AGCAAGCCCTACGGGTAACCTCACTGACCTGGAGACCAACGGTGTGAGGTCTGGAATGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_017233



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<b>Insert Size:</b>	1182 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_017233.1</a> , <a href="#">NP_058929.1</a>
<b>RefSeq Size:</b>	1361 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	29531
<b>UniProt ID:</b>	<a href="#">P32755</a>
<b>Cytogenetics:</b>	12q16
<b>Gene Summary:</b>	catalyzes the conversion of 4-hydroxyphenylpyruvate to homogenistate in tyrosine catabolism [RGD, Feb 2006]