

Product datasheet for **RN209085**

Impdh2 (NM_199099) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Impdh2 (NM_199099) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Impdh2
Synonyms:	IMPD 2; IMPDH 2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209085 representing NM_199099
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACTACCTGATTAGCGGAGGCACTTCTTACGTGCCAGACGACGGCTCACCGCACAGCAGCTCT
 TCAACTGCGGGGACGGCCTGACCTACAATGACTTTCTCATTCTTCTGGATATATCGACTTCACTGCGGA
 CCAGGTGGACTTGACCTCTGCTCTAACCAAGAAGATTACTCTGAAGACCCCTTGGTTTCTCACCTATG
 GACACTGTACGGAGGCTGGAATGGCCATCGCAATGGCGCTTACAGGAGGCATTGGCTTCACTCCACCACA
 ACTGCACACCTGAATCCAGGCCAATGAAGTTCGGAAAGTGAAGAAATATGAACAGGGATTCACTACTGA
 CCCTGTGGTCTTAGCCCAAGGATCGTGTGCGCGATGTTTTGAGGCCAAAGCCAGGCATGGCTTCTGT
 GGTATCCCATCACAGATACCGGCCGGATGGGGAGTGGATTGGTGGGCATCATCTCTCGAGGGACATTG
 ACTTCTCAAGGAGGAAGAGCATGATCGCTTCTTGAAGAGATCATGACTAAGAGAGAAGATTTAGTGGT
 AGCCCTGCCGGGCTCACTCTAAAAGAAGCAAATGAAATTCGACGCGCAGTAAAAGGGAAAGTTGCC
 ATTGTGAATGAGAGTGATGAGCTGGTAGCCATCATCGCCCGACAGACCTCAAGAAGAATCGTGACTACC
 CACTGGCTTCAAAGATACCAAAAAGCAACTACTGTGTGGGCGAGCCATTGGCACCCATGAGGATGACAA
 GTATCGGCTGGACTTACTGGCCCTTGTGGTGTGGATGTGGTAGTTTTGGACTCTTCCCAGGGAACTCC
 ATTTTCCAATCAATATGATCAAGTACATCAAGGAAAAATACCCCAATCTCCAGGTCATCGGAGGCAATG
 TAGTCACTGTCTCAAGCCAAGAACCCTCATCGACGCAGGTGTGGACGCTCTGCGAGTCGGCATGGGAAG
 TGGTCCATCTGCATCACCCAGGAAGTGTGGCCAGTGGGCGACCCCAAGCAACAGCAGTATACAAGGTC
 TCTGAGTATGCCCGTCTCGGTCGCTTCCCTGTTATTGCTGATGGAGGAATCCAGAATGTGGGTCAATTG
 CCAAAGTTTGGCTCTTGGGCTCTACAGTCATGATGGGCTCCCTCTTGGCTGCCACCCTGAGGCCCC
 TGGTGAGTACTTCTTCTCCGATGGGATCCGGCTGAAGAAGTATCGTGGTATGGGCTCTCTTGATGCCATG
 GACAAACACCTCAGCAGCCAGAACCATTTTCAAGTGAAGCTGACAAGATCAAAGTGGCCCAAGGAGTTT
 CAGGGGCAAGTGCAGGACAAAGGCTATCCACAAGTTTGTCCCTTATTTGATTGCTGGCATCCAGCATT
 CTGTCAGGACATTGGTGCACAGGCTTAACCCAAAGTCAGAGCCATGATGTACTCGGGGAACTTAAATTT
 GAGAAGAGAACGTCCTCAGTCAGGTGGAAGGTGGCGTTCACGGCCTCCATTCGTATGAGAAACGGCTCT
 TCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_199099

Insert Size: 1545 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_199099.2](#), [NP_954530.1](#)

RefSeq Size: 1677 bp

RefSeq ORF: 1545 bp

Locus ID: 301005

Cytogenetics: 8q32

Gene Summary: mouse homolog catalyzes the conversion of IMP to XMP in guanine nucleotide biosynthesis [RGD, Feb 2006]