

## Product datasheet for **RN205019**

### **Impdh1 (NM\_001108619) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Impdh1 (NM_001108619) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Impdh1
Synonyms:	IMPD 1; IMPDH 1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205019 representing NM\_001108619  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGAACCGCTCTACCCCCACCGAGTCCGGGCTACTCTCGCCGCTGCTGCAGGGAGCGGAGCCG  
 CTGCTGCTCCAGAGCCCGGAGCCCGCAACACCCGGGACATGAGACCCGCGCGCAGCGGTACAGCGCCCG  
 CCTGCTGCAGGCCGGCTACGAGCCGGAGAGCATGGCGGACTACCTGATCAGCGCCGGCACCGGCTACGTT  
 CCCGAGGATGGGCTCACCGCGCAGCAGCTCTTCGCCAACGCGGATGGCCTCACCTACAACGATTTCTGTA  
 TCCTCCCAGGATTCATAGACTTCATAGCTGATGAAGTGGACCTGACATCAGCCCTGACCCGGAAGATCAC  
 ACTGAAGACACCACTGATCTCGTCTCCCATGGATACCGTGACAGAGGCTGACATGGCCATTGCAATGGCT  
 CTCATGGGAGGAATTGGTTTCATTACCACAACGTACCCAGAGTTCAGGCCAATGAGGTGCGGAAGG  
 TCAAGAAGTTTGACAAGGCTTCATCACAGACCCTGTGGTCTGAGCCCTTACATACCGTGGGTGATGT  
 TCTGGAGGCCAAGATACAGCATGGCTTCTGGTATCCCTATCACCGCAACGGGCACCATGGGGAGCAAG  
 CTGGTGTGACGCGGAGGATCGAGCTGGTGGTGGCTCCAGCAGGTGTGACATTGAAAGAGGCAAATGAGA  
 TTTTGCAGCGCAGCAAGAAAGGGAAGCTGCCCATAGTCAACGATCAAGACGAGCTGGTAGCCATTATTGC  
 ACGCACAGACCTGAAGAAGAACAGAGACTACCCTCTGGCCTCAAAGACTCCACAAACAGCTGTTGTGT  
 GGGGCAGCTGTGGCACCCGTGAGGATGACAAATACCGTCTGGATTTGCTCACTCAGGCCGGTGCTGACG  
 TCATAGTACTAGATTCATCCAGGGGAACCTCAGTATATCAGATCGCCATGGTGCATATATCAAGCAGAA  
 GTACCCCACTCCAGGTGATTTGGGGAAACGTGGTGACAGCGGCCAGGCCAAGAAGTTCATCGATGCC  
 GGTGTGGATGGGCTTCGTGTGGCATGGGCTGTGGCTCCATCTGCATCACTCAGGAAGTGTGACCTGTG  
 CCCGAGCCAGGGCACTGCTGTCTACAAGTGGCTGAGTATGCCCGCGCTTTGGGGTCCGGTAAATAGC  
 TGATGGTGGTATCCAGACTGTGGCCATGTGGTCAAAGCCCTGGCGCTCGGAGCCTCTACAGTGATGATG  
 GGCTCCTTGCTGGCTGCTACCACGGAGGCCCTGGTGAATACTTCTTCTCAGACGGGGTGAAGCTTAAGA  
 AGTACCGAGGCATGGGTTCCCTGGACGCCATGGAGAAGAGCAGCAGCAGCCAGAAGCGATACTTCAGTGA  
 GGGGGACAAAGTGAAGATCGCACAGGGTGTCTCGGGCTCCATCCAGGATAAAGGCTCCATTCAGAAGTTT  
 GTGCCCTACCTCATAGCAGGGATCCAGCATGGCTGTGAGGATTTGGGGCCAAAGCCTGTCTGTCTGCTGC  
 GATCCATGATGTACTCAGGAGAGCTCAAGTTTGAAGAAGCGGACCATGTCAGCCAGATAGAGGGCGGTGT  
 GCACGGCCTACACTCTTACGAGAAGCGGCTGTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001108619

**Insert Size:** 1647 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\\_001108619.1](#), [NP\\_001102089.1](#)

**RefSeq Size:** 2438 bp

**RefSeq ORF:** 1647 bp

**Locus ID:** 362329

**Cytogenetics:** 4q22