

Product datasheet for MC202052

Impdh2 (NM_011830) Mouse Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Impdh2 (NM_011830) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Impdh2 |
| Synonyms: | IMPD |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |

Fully Sequenced ORF: >BC052671 sequence for NM_011830
AAGAGGTAATCCGGCGCGTTCTCGGAGCCACGCGTCTGTCTTCCCTCCGTGGTCATGGCGGACTACCTGA
TTAGCGGAGGCACCTCTTACGTGCCGGACGACGGGCTCACAGCGCAGCAGCTTCAACTGCGGGGACGG
CCTCACCTACAATGATTTTCTCATTCTTCTGGGTATATCGACTTCACTGCAGATCAGGTGGACTTGACG
TCTGCTCTAACTAAGAAGATTACACTAAAGACCCATTGGTTTCTCACCCATGGACACTGTCACAGAGG
CTGGAATGGCCATCGCGATGGCGTTACAGGAGGTATTGGTTTCATCCACCACAACCTGCACACCTGAATT
CCAGGCCAATGAAGTTCCGAAAGTGAAGAAATACGAACAGGGATTCATCACTGACCCCGTGGTCTTAGC
CCCAAGGATCGTGTACGCGATGTTTTGAGGCCAAAGCCAGGCATGGCTTCTGTGGTATCCCATCACAG
ATACAGGCCGGATGGGGAGTCGATTGGTGGGCATCATCTCCTCAAGGGACATTGATTTCTCAAGGAGGA
AGAGCATGACCGTTCTTGAAGAGATCATGACTAAGAGGGAAGATTTGGTGGTCCGCCCTGCCGGCGTC
ACTCTGAAAGAGGCAAATGAGATTCTGCAGCGAAGTAAAAGGGAAAGTTGCCCATGTGAATGAAAATG
ATGAGCTGGTAGCCATCATTGCCCGGACAGACCTAAAGAAGAATCGTGATTACCCCTGGCTCCAAAGA
TGCCAAGAAGCAACTGCTGTGTGGGCGAGCCATTGGCACTCATGAGGATGACAAGTATAGCTGGACTTA
CTGGCCCTTGCTGGTGTGGATGTAGTGGTTTTGGACTCTTCCCAGGGAACTCCATCTTCCAAATCAATA
TGATCAAATACATCAAGGAGAAGTATCCAGTCTACAGGTCATTGGAGGCAATGTAGTCACTGCTGCGCA
AGCCAAGAACCTCATAGATGCAGGTGTAGATGCTTTGCGAGTCGGCATGGGAAGTGGTCCATCTGCATC
ACCCAGGAAGTGTGGCCTGTGGGCGGCCCAAGCCACAGCAGTGTACAAGTCTCTGAGTATGCCCGTC
GCTTTGGTGTCTGTTATTGCTGATGGAGGAATCCAAATGTGGGTCAATTGCCAAAGCTTTGGCTCT
TGGGGCTTCCACAGTCATGATGGGCTCCCTCTGGCTGCCACACTGAGGCCCTGGCGAGTACTTCTTC
TCAGATGGGATCCGGCTGAAGAAATACCGAGGTATGGGTTCTCTTGATGCCATGGACAAACATCTCAGCA
GCCAGAACCAGTACTTCAAGTGAAGCTGACAAAATCAAAGTGGCCCAAGGAGTTTCAGGGGAGTGCAGGA
CAAGGGTCTATCCACAAGTTCGTTCTTACCTGATTGCTGGCATCCAGCATTCTGTCAGGACATTGGT
GCCAAGAGTTAAACCAAGTCAGAGCCATGATGACTCGGGGAGCTTAAATTTGAGAAGAGGACATCTC
CTGCTCAGGTGGAAGGTGGCGTCCACAGCCTCCATTCTGACGAGAAACGGCTTTTCTGAAAACAGATCCA
GTATATGCCTTGAATTTTCAATAAAAGTTTGGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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|-------------------------------|---|
| ACCN: | NM_011830 |
| 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: | <ol style="list-style-type: none">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: | BC052671 , AAH52671 |
| RefSeq Size: | 1660 bp |
| RefSeq ORF: | 1545 bp |
| Locus ID: | 23918 |
| UniProt ID: | P24547 |
| Cytogenetics: | 9 F2 |
| Gene Summary: | Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP), the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides, and therefore plays an important role in the regulation of cell growth. Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism. It may also have a role in the development of malignancy and the growth progression of some tumors.[UniProtKB/Swiss-Prot Function] |