

Recombinant Mouse IMPDH2 Protein, His-tagged

Cat. No. IMPDH2-62M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IMPDH2 Protein, fused to His-tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Enables IMP dehydrogenase activity. Involved in 'de novo' XMP biosynthetic process and GMP biosynthetic process. Acts upstream of or within cellular response to interleukin-4; lymphocyte proliferation; and purine nucleotide biosynthetic process. Predicted to be located in cytosol and nucleus. Predicted to be active in cytoplasm. Is expressed in several structures, including alimentary system; brain; heart; respiratory system; and sensory organ. Orthologous to human IMPDH2 (inosine monophosphate dehydrogenase 2).
Form	50mM Tris, 0.3 M NaCl, pH 8.0.
Molecular Mass	56.7kDa
AA Sequence	MHHHHHHMADYLISGGTSYVPDDGLTAQQLFNCGDGLTYNDFLILPGYIDFTADQV DLTSALTKKITLKTPLVSSPMDTVTEAGMAIAMALTGGIGFIHHNCTPEFQANEVRKV KKYEQGFITDPVVLSPKDRVRDVFEAKARHGFCGIPITDTGRMGSRVLVGISSRDIDFL KEEEHDRFLEEIMTKREDLVVAPAGVTLKEANEILQRSKKGKLPVNNDELVAIIART DLKKNRDYPLASKDAKKQLLCGAAIGTHEDDKYRLDLLALAGVDVVVLDSSQGNSIF QINMIKYIKEKYPSLQVIGGNVVTAAQAKNLIDAGVDALRVGMGSGSICITQEVLAGG RPQATAVYKVSEYARRFGVPVIADGGIQNVGHIKALALGASTVMMGSLLAATTEAP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GEYFFSDGIRLKKYRGMGSLDAMDKHLSSQNRYFSEADKIKVAQGVSGAVQDKGSI
HKFVPYLIAGIQHSCQDIGAKSLTQVRAMMYSGELKFEKRTSSAQVEGGVHSLHSYE
KRLF

Purity >90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 2.1 mg/mL

GENE INFORMATION

Gene Name [Impdh2 inosine monophosphate dehydrogenase 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [IMPDH2](#)

Synonyms IMPD; IMPD 2; IMPDH-II

Gene ID [23918](#)

mRNA Refseq [NM_011830](#)

Protein Refseq [NP_035960](#)

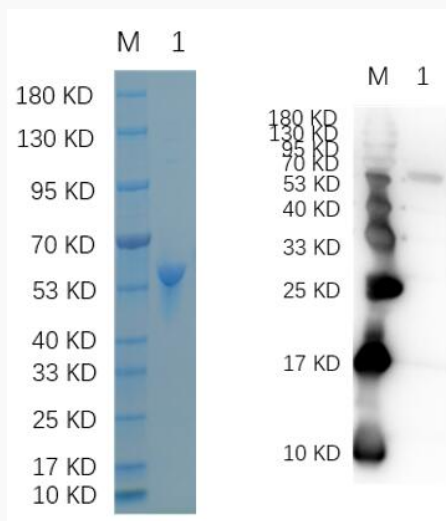
UniProt ID [P24547](#)

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SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profile of purified IMPDH2 (CBB stained).

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