

Recombinant Mouse Impdh2 Protein, Myc/DDK-tagged

Cat. No. Impdh2-3532M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inosine monophosphate dehydrogenase 2 (Impdh2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	55.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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

Official Symbol [Impdh2](#)

Synonyms IMPDH2; inosine 5-phosphate dehydrogenase 2; inosine-5-monophosphate dehydrogenase 2; IMPD 2; IMPDH 2; IMPDH-II; IMP dehydrogenase 2; IMP dehydrogenase type II; IMPD

Gene ID [23918](#)

mRNA Refseq [NM_011830](#)

Protein Refseq [NP_035960](#)

UniProt ID [P24547](#)

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