

## Recombinant Mouse Impdh2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

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