

Recombinant Mouse Impdh1 Protein, Myc/DDK-tagged

Cat. No. Impdh1-3531M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inosine monophosphate dehydrogenase 1 (Impdh1), 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	55.3 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 [Impdh1 inosine monophosphate dehydrogenase 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Impdh1](#)

Synonyms IMPDH1; inosine 5-phosphate dehydrogenase 1; inosine-5-monophosphate dehydrogenase 1; IMPD 1; IMPDH 1; IMPDH-I; IMP dehydrogenase 1; B930086D20Rik

Gene ID [23917](#)

mRNA Refseq [NM_011829](#)

Protein Refseq [NP_035959](#)

UniProt ID [P50096](#)

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