

Active Recombinant Inosine 5'-monophosphate dehydrogenase

Cat. No. IMPDH-059 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant IMPDH Protein
Source	E.coli
Description	Inosine 5'-monophosphate dehydrogenase (IMPDH) is a purine biosynthetic enzyme that catalyzes the nicotinamide adenine dinucleotide (NAD)-dependent oxidation of inosine monophosphate (IMP) to xanthosine monophosphate (XMP), the first committed and rate-limiting step towards the de novo biosynthesis of guanine nucleotides from IMP. IMPDH is a regulator of the intracellular guanine nucleotide pool, and is therefore important for DNA and RNA synthesis, signal transduction, energy transfer, glycoprotein synthesis, as well as other process that are involved in cellular proliferation.
Form	Lyophilized powder or Liquid
Bio-activity	≥ 5 KU/mL
Purity	≥ 90%
Notes	This product is for research and manufacturing use only and is not intended for diagnostic or therapeutic use.
Storage	2-8 centigrade: At least 1 year -20 centigrade: At least 3 years

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

Appearance	Clear
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EC No.	1.1.1.205
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GENE INFORMATION

Official Symbol	IMPDH
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Synonyms	Inosine-5'-Monophosphate Dehydrogenase; IMPDH
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