

## Product datasheet for **AR50099PU-S**

### IMPDH2 (1-514, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	IMPDH2 (1-514, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MADYLISGGT SYVPDDGLTA QQLFNCGDGL TYNDFLILPG YIDFTADQVD LTSALTKKIT LKTPLVSSPM DTVTEAGMAI AMALTGGIGF IHHNCTPEFQ ANEVRKVKKY EQGFITDPVV LSPKDRVRDV FEARHGF C GIPITDTGRM GSRLVGISS RDIDFLKEEE HDCFLEEIMT KREDLVAPA GITLKEANEI LQRSKKGKLP IVNEDDELVA IIARTDLKKN RDYPLASKDA KKQLLCGAAI GTHEDDKYRL DLLAQAGVDV WLDSSQGNS IFQINMIKYI KDKYPNLQVI GGNVWTAQA KNLIDAGVDA LRVGMGSGSI CITQEVLCG RPQATAVYKV SEYARRFGVP VIADGGIQNV GHIKALALG ASTVMMGSLI AATTEAPGEY FSDGIRLKK YRGMGSLDAM DKHLSSQNRV FSEADKIKVA QGVSGAVQDK GSIHKFVYPYL IAGIQHSCQD IGAKSLTQVR AMMYSGELKF EKRTSSAQVE GGVHSLHSYE KRLF
Tag:	His-tag
Predicted MW:	58.0 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 150 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human IMPDH2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000875</a>
Locus ID:	3615



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UniProt ID:	<a href="#">P12268</a>
Cytogenetics:	3p21.31
Synonyms:	IMPD2, Inosine-5'-monophosphate dehydrogenase 2, IMP dehydrogenase 2, EC=1.1.1.205, IMPDH-II, IMPD-2
Summary:	This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

**Product images:**