

## IMPDH2 抗原（重组蛋白）

中文名称： IMPDH2 抗原（重组蛋白）

英文名称： IMPDH2 Antigen (Recombinant Protein)

储 存： 冷冻（-20℃）

别 名： IMP (inosine 5'-monophosphate) dehydrogenase 2; IMPD2; IMPDH-II

相关类别： 抗原

### 概述

Fusion protein corresponding to a region derived from 114-237 amino acids of human IMPDH2

### 技术规格

<b>Full name:</b>	IMP (inosine 5'-monophosphate) dehydrogenase 2
<b>Synonyms:</b>	IMPD2; IMPDH-II
<b>Swissprot:</b>	P12268
<b>Gene Accession:</b>	BC006124
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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.