Datasheet for ABIN7587544

# IMPDH1 Protein (AA 2-514) (His tag)

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## Overview

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| Quantity: | 100 µg |
| Target: | IMPDH1 |
| Protein Characteristics: | AA 2-514 |
| Origin: | Rat |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IMPDH1 protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | ADYLISGGT GYVPEDGLTA QQLFANADGL TYNDFLILPG FIDFIADEVD LTSALTRKIT LKTPLISSPM DTVTEADMAI AMALMGGIGF IHHNCTPEFQ ANEVRKVKKF EQGFITDPVV LSPSHTVGDV LEAKIQHGFS GIPITATGTM GSKLVGIVTS RDIDFLAEKD HTTLLSEVMT PRIELVVAPA GVTLKEANEI LQRSKKGKLP IVNDQDELVA IIARTDLKKN RDYPLASKDS HKQLLCGAAV GTREDDKYRL DLLTQAGADV IVLDSSQGNS VYQIAMVHYI KQKYPHLQVI GGNVVTAAQA KNLIDAGVDG LRVGMGCGSI CITQEVMACG RPQGTAVYKV AEYARRFGVP VIADGGIQTV GHVVKALALG ASTVMMGSLL AATTEAPGEY FFSDGVRLKK YRGMGSLDAM EKSSSSQKRY FSEGDKVKIA QGVSGSIQDK GSIQKFVPYL IAGIQHGCQD IGAQSLSVLR SMMYSGELKF EKRTMSAQIE GGVHGLHSYE KRLY |
| Specificity: | Rattus norvegicus (Rat) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |

## Product Details

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| Purity: | > 90 % |

## Target Details

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| Target: | IMPDH1 |
| Alternative Name: | Inosine-5-monophosphate dehydrogenase 1 (Impdh1) (IMPDH1 Products) |
| Background: | Recommended name: Inosine-5'-monophosphate dehydrogenase 1.<br>Short name= IMP dehydrogenase 1.<br>Short name= IMPD 1.<br>Short name= IMPDH 1.<br>EC= 1.1.1.205 |
| UniProt: | D3ZLZ7 |
| Pathways: | Ribonucleoside Biosynthetic Process |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |