

## Product datasheet for **TP508254**

### Impdh2 (NM\_011830) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse inosine monophosphate dehydrogenase 2 (Impdh2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208254 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MADYLISGGTSYVPDDGLTAQQLFNCGDGLTYNDFLILPGYIDFTADQVDLTSALTKKITLKTPLVSSPM  
DTVTEAGMAIAMALTGGIGFIHNCNCTPEFQANEVRKVKKYEQGFITDPVWVLSPKDRVRDVFCAKARHGFC  
GIPITDTGRMGSRVLVGISSRDIDFLKEEHRFLFEEIMTKREDLVVAPAGVTLKEANEILQRSKKGKLP  
IVNENDELVAIIARTDLKKNRDYPLASKDAKKQLLGGAAIGTHEDDKYRLDLLALAGVDVWLDSSQGNS  
IFQINMIKIYIKEKYPQLQVIGGNVVTAAQAKNLIDAGVDALRVGMGSGSICITQEVLCGRPQATAVYKV  
SEYARRFGVPVIADGGIQNVGHIKALALGASTVMMGSLAATTEAPGEYFFSDGIRLKKYRGMGSLDAM  
DKHLSSQNRYFSEADKIKVAQGVSGAVQDKGSIHKFVPLYIAGIQHSCQDIGAKSLTQVRAMMYSGLKFL  
EKRTSSAQVEGGVHSLHSYEKRLF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	55.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_035960</a>



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Locus ID: 23918

UniProt ID: [P24547](#), [Q3UAT9](#)

RefSeq Size: 1632

Cytogenetics: 9 F2

RefSeq ORF: 1545

Synonyms: IMPD

**Summary:** 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.[UniProtKB/Swiss-Prot Function]