

Recombinant Human IDI2, His-tagged

Cat. No. IDI2-3498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IDI2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	IDI2, also known as isopentenyl-diphosphate delta-isomerase 2, belongs to the IPP isomerase type 1 family. IDI2 catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyldiphosphate (DMAPP).
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 0.1mM PMSF
Molecular Weight	28.9 kDa (247aa), confirmed by MALDI-TOF
Purity	> 80% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSHMSDINLDWVD RRQLQRLEEM LIVVDENDKV IGADTKRNCH L NENIEKGLL HRAFSVVLFN TKNRILIQQRSDTKVTFPGY FTDSCSSHPL YNPAELEEKD AIGVRRAAQR RLQAELGIPG EQISPEDIVF MTIYHHKAKS DRIWGEHEIC YLLLVRKNVTLNPDPSETKS ILYLSQEELW

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ELLEREARGE VKVTPWLRTI AERFLYRWWP HLDDVTPFVE LHKIHRV

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[IDI2 isopentenyl-diphosphate delta isomerase 2 \[Homo sapiens \]](#)

Synonyms

IDI2; isopentenyl-diphosphate delta isomerase 2; IPP12; IPP isomerase 2; isopentenyl pyrophosphate isomerase 2; diphosphatedimethylallyldiphosphateisomerase 2; EC=5.3.3.2

Gene ID

[91734](#)

mRNA Refseq

[NM_033261](#)

Protein Refseq

[NP_150286](#)

UniProt ID

[Q9BXS1](#)

**Chromosome
Location**

10p15.3

Function

hydrolase activity; isomerase activity; metal ion binding; isopentenyl-diphosphate delta-isomerase activity

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