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Datasheet for ABIN7318692

**IPP Isomerase 2 Protein (IDI2) (His tag)**

## Overview

Quantity:	50 µg
Target:	IPP Isomerase 2 (IDI2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IPP Isomerase 2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human IPPI2/IDI2 Protein (His Tag)
Sequence:	Met 1-Val227
Characteristics:	Recombinant Human Isopentenyl Pyrophosphate Isomerase 2 is produced by our E.coli expression system and the target gene encoding Met1-Val227 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	IPP Isomerase 2 (IDI2)
Alternative Name:	IPPI2/IDI2 ( <a href="#">IDI2 Products</a> )
Background:	Background: Isopentenyl Pyrophosphate Isomerase 2 (IDI2) belongs to the IPP isomerase type 1 family. Both isozymes, IDI1 and IDI2 are localized to the peroxisome by a PTS1-dependent

## Target Details

pathway. IDI2 is expressed in skeletal muscle, which contains one nudix hydrolase domain. IDI2 binds one magnesium per subunit. IDI2 catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP). It is reported that IDI2 is regulated independently from IDI1, by a mechanism that may involve PPAR- $\alpha$ .

Synonym: Isopentenyl-Diphosphate Delta-Isomerase 2, Isopentenyl Pyrophosphate Isomerase 2, IPP Isomerase 2, IPP12, IDI2

Molecular Weight: 28.9 kDa

UniProt: [Q9BXS1](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2  $\mu$ m filtered solution of 20 mM TrisHCl, 1 mM DTT, 0.1 mM PMSF, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.