

## Recombinant Human IDI1 cell lysate

**Cat. No.** IDI1-834HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	IDI1 encodes a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which are the substrates for the successive reaction that results in the synthesis of farnesyl diphosphate and, ultimately, cholesterol. It has been shown in peroxisomal deficiency diseases such as Zellweger syndrome and neonatal adrenoleukodystrophy that there is reduction in IPP isomerase activity.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	IDI1 isopentenyl-diphosphate delta isomerase 1 [ Homo sapiens ]
<b>Official Symbol</b>	IDI1
<b>Synonyms</b>	IDI1; isopentenyl-diphosphate delta isomerase 1; isopentenyl diphosphate delta isomerase; isopentenyl-diphosphate Delta-isomerase 1; IPP isomerase; IPP isomerase 1; isopentenyl pyrophosphate isomerase 1; isopentenyl diphosphate

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	dimethylallyl diphosphate isomerase 1; IPP1; IPP11;
<b>Gene ID</b>	<a href="#">3422</a>
<b>mRNA Refseq</b>	<a href="#">NM_004508</a>
<b>Protein Refseq</b>	<a href="#">NP_004499</a>
<b>MIM</b>	<a href="#">604055</a>
<b>UniProt ID</b>	<a href="#">Q13907</a>
<b>Chromosome Location</b>	10p15.3
<b>Pathway</b>	C5 isoprenoid biosynthesis, mevalonate pathway, organism-specific biosystem; C5 isoprenoid biosynthesis, mevalonate pathway, conserved biosystem; Cholesterol Biosynthesis, organism-specific biosystem; Cholesterol biosynthesis, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
<b>Function</b>	hydrolase activity; isomerase activity; isopentenyl-diphosphate delta-isomerase activity; isopentenyl-diphosphate delta-isomerase activity; magnesium ion binding; manganese ion binding; metal ion binding;

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