Recombinant Human IDI1 cell lysate

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

SPECIFICATION

Product Overview	
Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	IDI1 isopentenyl-diphosphate delta isomerase 1 [Homo sapiens]
Official Symbol	IDI1
Synonyms	IDI1; isopentenyl-diphosphate delta isomerase 1; isopentenyl diphosphate delta isomerase; isopentenyl-diphosphate Delta-isomerase 1; IPP isomerase; IPP

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	isomerase 1; isopentenyl pyrophosphate isomerase 1; isopentenyl diphosphate dimethylallyl diphosphate isomerase 1; IPP1; IPPI1;
Gene ID	3422
mRNA Refseq	NM_004508
Protein Refseq	NP_004499
MIM	604055
UniProt ID	Q13907
Chromosome Location	10p15.3
Pathway	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;
Function	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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