Recombinant Human IDI2 293 Cell Lysate

Cat. No. IDI2-5301HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for isopentenyl-diphosphate delta isomerase 2 (IDI2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	IDI2 isopentenyl-diphosphate delta isomerase 2 [Homo sapiens]
Official Symbol	IDI2
Synonyms	IDI2; isopentenyl-diphosphate delta isomerase 2; isopentenyl-diphosphate Delta-isomerase 2; IPPI2; IPP isomerase 2; isopentenyl pyrophosphate isomerase 2; diphosphate dimethylallyl diphosphate isomerase 2;
Gene ID	91734
mRNA Refseq	NM_033261
Protein Refseq	NP_150286
UniProt ID	Q9BXS1
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; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Terpenoid backbone biosynthesis, organism-specific biosystem;

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

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