

Recombinant Human DECR1 293 Cell Lysate

Cat. No. DECR1-6997HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for 2,4-dienoyl CoA reductase 1, mitochondrial (DECR1), nuclear gene encoding mitochondrial protein 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

DEC1 2,4-dienoyl CoA reductase 1, mitochondrial [Homo sapiens]

Official Symbol

DEC1

Synonyms

DEC1; 2,4-dienoyl CoA reductase 1, mitochondrial; DEC1; 2,4-dienoyl-CoA reductase, mitochondrial; SDR18C1; short chain dehydrogenase/reductase family 18C; member 1; 4-enoyl-CoA reductase; short chain dehydrogenase/reductase family 18C, member 1; NADPH;

Gene ID

1666

mRNA Refseq

NM_001359

Protein Refseq

NP_001350

UniProt ID

Q16698

Chromosome Location

8q21.3

Pathway

Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Mitochondrial Fatty Acid Beta-Oxidation, organism-specific biosystem; mitochondrial fatty acid beta-oxidation of

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unsaturated fatty acids, organism-specific biosystem;

Function

2,4-dienoyl-CoA reductase (NADPH) activity; 2,4-dienoyl-CoA reductase (NADPH) activity; NADPH binding; nucleotide binding; oxidoreductase activity, acting on NADH or NADPH;

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