

Recombinant Human LIPT1 293 Cell Lysate

Cat. No. LIPT1-4723HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for lipoyltransferase 1 (LIPT1), nuclear gene encoding mitochondrial protein, transcript variant 3 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	LIPT1 lipoyltransferase 1 [Homo sapiens]
Official Symbol	LIPT1
Synonyms	lipoyltransferase 1, mitochondrial; lipoyl ligase; lipoate biosynthesis protein
Gene ID	51601
mRNA Refseq	NM_145199.2
Protein Refseq	NP_660200.1
MIM	610284
UniProt ID	Q9Y234
Chromosome Location	2q11.2
Pathway	Lipoic acid metabolism, organism-specific biosystem;Lipoic acid metabolism, conserved biosystem;lipoate biosynthesis and incorporation II, organism-specific biosystem;lipoate salvage and modification, organism-specific biosystem;
Function	transferase activity, transferring acyl groups;

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