

Recombinant Human ETFA 293 Cell Lysate

Cat. No. ETFA-6532HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for electron-transfer-flavoprotein, alpha polypeptide (ETFA), nuclear gene encoding mitochondrial protein, transcript variant 1 is a lysate prepared from HE K293T 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

ETFA electron-transfer-flavoprotein, alpha polypeptide [Homo sapiens]

Official Symbol

ETFA

Synonyms

ETFA; electron-transfer-flavoprotein, alpha polypeptide; electron transfer flavoprotein subunit alpha, mitochondrial; EMA; GA2; glutaric aciduria II; MADD; alpha-ETF; electron transfer flavoprotein alpha-subunit; electron transfer flavoprotein, alpha polypeptide;

Gene ID

2108

mRNA Refseq

NM_000126

Protein Refseq

NP_000117

MIM

608053

UniProt ID

P13804

Chromosome Location

15q23-q25

Pathway

Metabolism, organism-specific biosystem; Respiratory electron transport, organism-specific biosystem; Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins., organism-specific biosystem;

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The citric acid (TCA) cycle and respiratory electron transport, organism-specific biosystem;

Function

electron carrier activity; flavin adenine dinucleotide binding; oxidoreductase activity;

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