

Recombinant Human AIFM1 293 Cell Lysate

Cat. No. AIFM1-8954HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for apoptosis-inducing factor, mitochondrion-associated, 1 (AIFM1), nuclear gene encoding mitochondrial protein, transcript variant 1 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

AIFM1 apoptosis-inducing factor, mitochondrion-associated, 1 [Homo sapiens]

Official Symbol

AIFM1

Synonyms

AIFM1; apoptosis-inducing factor, mitochondrion-associated, 1; PDCD8, programmed cell death 8 (apoptosis inducing factor); apoptosis-inducing factor 1, mitochondrial; AIF; striatal apoptosis-inducing factor; programmed cell death 8 (apoptosis-inducing factor); PDCD8; COXPD6; MGC111425;

Gene ID

9131

mRNA Refseq

NM_001130846

Protein Refseq

NP_001124318

MIM

300169

UniProt ID

O95831

Chromosome Location

Xq26.1

Pathway

Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem; Ceramide signaling pathway, organism-specific biosystem;

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Function

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

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