

Recombinant Human AIFM2 293 Cell Lysate

Cat. No. AIFM2-8953HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for apoptosis-inducing factor, mitochondrion-associated, 2 (AIFM2), 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 AIFM2 apoptosis-inducing factor, mitochondrion-associated, 2 [Homo sapiens]

Official Symbol AIFM2

Synonyms AIFM2; apoptosis-inducing factor, mitochondrion-associated, 2; AMID, apoptosis inducing factor (AIF) like mitochondrion associated inducer of death; apoptosis-inducing factor 2; FLJ14497; PRG3; p53-responsive gene 3 protein; apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death; apoptosis-inducing factor (AIF)-homologous mitochondrion-associated inducer of death; AMID; RP11-367H5.2; DKFZp686L1298;

Gene ID 84883

mRNA Refseq NM_032797

Protein Refseq NP_116186

MIM 605159

UniProt ID Q9BRQ8

Chromosome Location 10q22.2

Pathway Direct p53 effectors, organism-specific biosystem;

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Function

DNA binding; electron-transferring-flavoprotein dehydrogenase activity; flavin adenine dinucleotide binding; oxidoreductase activity;

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