

Recombinant Human MFN2 293 Cell Lysate

Cat. No. MFN2-4347HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitofusin 2 (MFN2), 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

MFN2 mitofusin 2 [Homo sapiens]

Official Symbol

MFN2

Synonyms

MFN2; mitofusin 2; mitofusin-2; CMT2A2; CPRP1; KIAA0214; MARF; hyperplasia suppressor; transmembrane GTPase MFN2; mitochondrial assembly regulatory factor; HSG; CMT2A;

Gene ID

9927

mRNA Refseq

NM_001127660

Protein Refseq

NP_001121132

MIM

608507

UniProt ID

O95140

**Chromosome
Location**

1p36.22

Pathway

Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem;

Function

GTP binding; GTPase activity; hydrolase activity; nucleotide binding; ubiquitin protein

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ligase binding;

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