

Recombinant Human IMMT 293 Cell Lysate

Cat. No. IMMT-5216HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for inner membrane protein, mitochondrial (mitofilin) (IMMT), 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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 [IMMT inner membrane protein, mitochondrial \[Homo sapiens \]](#)

Official Symbol [IMMT](#)

Synonyms [IMMT](#); inner membrane protein, mitochondrial; inner membrane protein, mitochondrial (mitofilin); mitochondrial inner membrane protein; HMP; MINOS2; mitochondrial inner membrane organizing system 2; mitofilin; P87; P89; motor protein; proliferation-inducing gene 4; cell proliferation-inducing protein 52; cell proliferation-inducing gene 4/52 protein; PIG4; PIG52; P87/89; MGC111146; DKFZp779P1653;

Gene ID [10989](#)

mRNA Refseq [NM_001100169](#)

Protein Refseq [NP_001093639](#)

MIM [600378](#)

UniProt ID [Q16891](#)

Chromosome Location [2p11.2](#)

Function [protein binding;](#)

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