

Recombinant Human ABCB8 293 Cell Lysate

Cat. No. ABCB8-9151HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ATP-binding cassette, sub-family B (MDR/TAP), member 8 (ABCB8), 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 ABCB8 ATP-binding cassette, sub-family B (MDR/TAP), member 8 [Homo sapiens]

Official Symbol ABCB8

Synonyms ABCB8; ATP-binding cassette, sub-family B (MDR/TAP), member 8; ATP-binding cassette sub-family B member 8, mitochondrial; EST328128; M ABC1; MABC1; mitochondrial ABC protein; mitochondrial ATP-binding cassette 1; M-ABC1;

Gene ID 11194

mRNA Refseq NM_007188

Protein Refseq NP_009119

MIM 605464

UniProt ID Q9NUT2

Chromosome Location 7q35-q36

Pathway ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; Mitochondrial ABC transporters, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;

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Function

ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; nucleotide binding; transporter activity;

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