

Recombinant Human ABCB8 293 Cell Lysate

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

SPECIFICATION

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.
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 [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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