

Recombinant Human ATP7B 293 Cell Lysate

Cat. No. ATP7B-8572HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ATPase, Cu ⁺⁺ transporting, beta polypeptide (ATP7B), 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

ATP7B ATPase, Cu⁺⁺ transporting, beta polypeptide [Homo sapiens]

Official Symbol

ATP7B

Synonyms

ATP7B; ATPase, Cu⁺⁺ transporting, beta polypeptide; ATPase, Cu⁺⁺ transporting, beta polypeptide (Wilson disease) , WND; copper-transporting ATPase 2; Wilson disease; copper pump 2; Wilson disease-associated protein; ATPase, Cu(2+)-transporting, beta polypeptide; WD; PWD; WC1; WND;

Gene ID

540

mRNA Refseq

NM_000053

Protein Refseq

NP_000044

MIM

606882

UniProt ID

P35670

Chromosome Location

13q14.3

Pathway

Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;

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Function

ATP binding; copper ion binding; copper-exporting ATPase activity; copper-exporting ATPase activity; hydrolase activity; metal ion binding; nucleotide binding; protein binding;

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