

Recombinant Human ATP7B protein, GST-tagged

Cat. No. ATP7B-1014H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP7B partial ORF (NP_000044, 1372 a.a. - 1465 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the P-type cation transport ATPase family and encodes a protein with several membrane-spanning domains, an ATPase consensus sequence, a hinge domain, a phosphorylation site, and at least 2 putative copper-binding sites. This protein functions as a monomer, exporting copper out of the cells, such as the efflux of hepatic copper into the bile. Alternate transcriptional splice variants, encoding different isoforms with distinct cellular localizations, have been characterized. Mutations in this gene have been associated with Wilson disease (WD). [provided by RefSeq, Jul 2008]
Molecular Mass	36.08 kDa
AA Sequence	QLKCYKKPDLERYEAQAHGHMKPLTASQVSVHIGMDDRWRDSPRATPWDQVSYV SQVSLSSLTSDKPSRHSAAADDDGDKWSLLNNGRDEEQYI
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

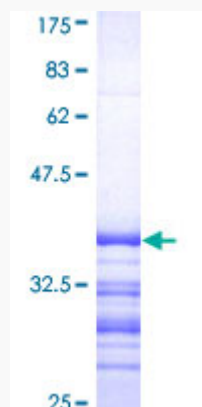
MIM [606882](#)

UniProt ID [P35670](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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