

Recombinant Human ATP7B Protein, Myc/ddk-tagged

Cat. No. ATP7B-468H **Lot. No.** (See product label)

SPECIFICATION

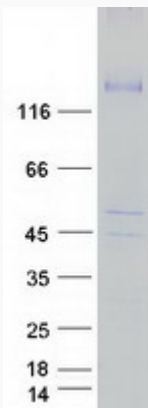
Product Overview	Recombinant protein of human ATPase, Cu ⁺⁺ transporting, beta polypeptide (ATP7B), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene is a member of the P-type cation transport ATPase family and encodes a protein with several membrane-spanning domains, an ATPase consensus sequence, a hinge domain, a phosphorylation site, and at least 2 putative copper-binding sites. This protein is a monomer, and functions as a copper-transporting ATPase which exports 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 which is characterized by copper accumulation.
Molecular Mass	157.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	ATP7B ATPase copper transporting beta [Homo sapiens (human)]
Official Symbol	ATP7B
Synonyms	ATP7B; ATPase copper transporting beta; WD; PWD; WC1; WND; copper-transporting ATPase 2; ATPase, Cu(2+)- transporting, beta polypeptide; ATPase, Cu++ transporting, beta polypeptide; Wilson disease-associated protein; copper pump 2; copper-transporting protein ATP7B; EC 7.2.2.8
Gene ID	540
mRNA Refseq	NM_000053
Protein Refseq	NP_000044
MIM	606882
UniProt ID	P35670
	

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