

Recombinant Human ATP7A protein, GST-tagged

Cat. No. ATP7A-1013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP7A partial ORF (NP_000043, 1406 a.a. - 1500 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a transmembrane protein that functions in copper transport across membranes. This protein is localized to the trans Golgi network, where it is predicted to supply copper to copper-dependent enzymes in the secretory pathway. It relocalizes to the plasma membrane under conditions of elevated extracellular copper, and functions in the efflux of copper from cells. Mutations in this gene are associated with Menkes disease, X-linked distal spinal muscular atrophy, and occipital horn syndrome. Alternatively-spliced transcript variants have been observed. [provided by RefSeq, Aug 2013]
Molecular Mass	36.19 kDa
AA Sequence	FLKLYRKPTYESYELPARSQIGQKSPSEISVHVGIDDTSRNSPKLGLLDRIVNYSRASINSLLSDKRSLNSVVTSEPDKHSLLVGDFREDDDTAL
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 ATP7A ATPase, Cu⁺⁺ transporting, alpha polypeptide [Homo sapiens]

Official Symbol ATP7A

Synonyms ATP7A; ATPase, Cu⁺⁺ transporting, alpha polypeptide; Menkes syndrome , MNK; copper-transporting ATPase 1; copper pump 1; Cu⁺⁺-transporting P-type ATPase; Menkes disease-associated protein; MK; MNK; DSMAX; SMAX3; FLJ17790;

Gene ID 538

mRNA Refseq NM_000052

Protein Refseq NP_000043

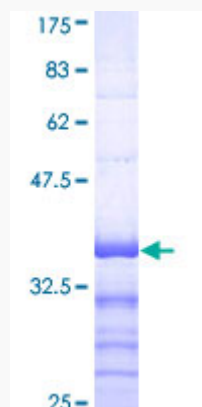
MIM 300011

UniProt ID Q04656

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12.5% SDS-PAGE Stained with Coomassie Blue.

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