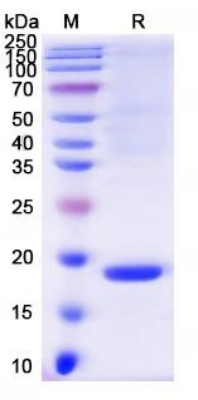
ATP7B Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP7B, Recombinant Protein
Full Product Name	Recombinant Mouse ATP7B Protein, N-His
Product Gene Name	ATP7B recombinant protein
Product Synonym Names	Copper-transporting ATPase 2; 7.2.2.8; Copper pump 2; Wilson disease-associated protein homolog; Atp7b; Wnd
Sequence	Gly485-Asn 639
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE.
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for frequent use. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	157,190 Da
3D Structure	ModBase 3D Structure for Q64446
Species	Mus musculus (Mouse)
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Product Categories/Family for ATP7B recombinant protein	Recombinant Protein; Other Proteins; Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for ATP7B recombinant protein	ELISA (EIA), Immunogen, SDS-PAGE, Western Blot (WB), Bioactivity testing in progress
Related Product Information for ATP7B recombinant protein	MBS1587825 is a recombinant protein targeting ATP7B. Also known as Recombinant Mouse ATP7B Protein, N-His. Host: E coli.
Other Notes	Small volumes of ATP7B recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of ATP7B recombinant protein
SDS-PAGE for Recombinant Mouse ATP7B protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATP7B. It may not necessarily be applicable to this product.

NCBI GI #	116256507
NCBI GeneID	11979
NCBI Accession #	NP_031537.2
UniProt Primary Accession #	Q64446
UniProt Secondary Accession #	B1AQ56
UniProt Related Accession #	Q64446
GenBank Nucleotide #	NM_007511.2
NCBI Official Full Name	copper-transporting ATPase 2
NCBI Official Synonym Full Names	ATPase, Cu++ transporting, beta polypeptide
NCBI Official Symbol	Atp7b
NCBI Official Synonym Symbols	tx; WND; Atp7a
UniProt Protein Name	Copper-transporting ATPase 2
UniProt Synonym Protein Names	Copper pump 2; Wilson disease-associated protein homolog
UniProt Gene Name	Atp7b
UniProt Synonym Gene Names	Wnd
NCBI Protein Information	copper-transporting ATPase 2
UniProt Comments for ATP7B	Involved in the export of copper out of the cells, such as the efflux of hepatic copper into the bile.
Research Articles on ATP7B	**1.** Data indicate that the copper-transporting ATPase gene (Atp7b) knockout mice showed a drastic, time-dependent accumulation of hepatic copper.
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