



Recombinant Human ATP7B Protein Product Manual

1. Product Basic Information

Product No.: REP06226

Protein Name: Wilson Disease-Associated Protein (ATP7B)

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

UniProt ID: P35670

UniProt Link: <https://www.uniprot.org/uniprotkb/P35670/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1166-1465aa)

Molecular Weight: 58.7

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1166-1465aa)

SDAMTDHEMKGQTALVAIDGVLCGMIAIADAVKQEAALAVHTLQSMGVDVVLITGD
NRKTARAIATQVGINKVFAEVLPSHKVAKVQELQNKGGKVAMVGDGVNDSPALAA
DMGVAIGTGTDAIEAADVVLIRNDLLDVVASIHL SKRTVRRIRINLVLALIYNLVGIPIA
AGVFMPIGIVLQPWMGSAAMAASSVSVLSSLQLKCYKKPDLERYEAQAHGHMKP
LTASQVSVHIGMDDRWRDSPRATPWDQVSYVSQVSLSSLTSDKPSRHSAADDD
GDKWSLLLNGRDEEQYI

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ATP7B partial protein (1166-1465aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. ATP7B, also known as WD or PWD or WC1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.