



Recombinant Human CP Protein Product Manual

1. Product Basic Information

Product No.: REP06528

Protein Name: Cuproxidase Ceruloplasmin (CP)

Aliases: CP-AB073614; ceruloplasmin; caeruloplasmin; cuproxidase ceruloplasmin; ferroxidase ceruloplasmin; ceruloplasmin (ferroxidase); glutathione peroxidase ceruloplasmin; glutathione-dependent peroxiredoxin...

UniProt ID: P00450

UniProt Link: <https://www.uniprot.org/uniprotkb/P00450/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (807-1050aa)

Molecular Weight: 32.1 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (807-1050aa)

ILGPQLHADVGDKVKIIFKNMATRPYSIHAHGVQTESSTVTPTLPGETLTYVWKIPER
SGAGTEDSACIPWAYYSTVDQVKDLYSGLIGPLIVCRRPYLKVFNPRRKLEFALLFLV
FDENESWYLLDDNIKTYS DHPEKVNKDDEEFIESNKMHAINGRMFGNLQGLTMHVG
DEVNWWYLMGMGNEIDLHTVHFHGHFSFYKHRGVYSSDVFDIFPGTYQTLEMFPRT
PGIWLLHCHVTDHIHAGM

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 CP partial protein (807-1050aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CP, also known as CP-AB073614 or ceruloplasmin or caeruloplasmin, 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.