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CP
Native Human Ceruloplasmin, Plasma

Catalog No.	CSI19796A CSI19796B	**Quantity:**	1.0 mg 5 mg

Alternate Names: Ferroxidase

Description: Ceruloplasmin is a blue, copper binding glycoprotein involved in the peroxidation of Fe^{2+} transferrin to Fe^{3+} transferrin, without releasing radical oxygen species. It is an acute-phase reactant. Increased levels are associated with normal pregnancy, rheumatoid arthritis, and cirrhosis. Decreased levels are associated with hepatolenticular degeneration (Wilson's Disease). An elevated level of Cp is found in patients with progressive tumors. Additionally, because Cp is a prooxidant, an elevated level is a sign of cardiovascular disease. May also play a role in fetal lung development or pulmonary antioxidant defense.

UniProt ID: P00450

Gene ID: 1356

Source: Human Plasma

Molecular Weight: 132 kDa

Formulation: Lyophilized from 50 mM Sodium Phosphate, 100 mM KCl, 5 mM EDTA, 20 mM EACA (ε-aminocaproic acid), pH 6.8.

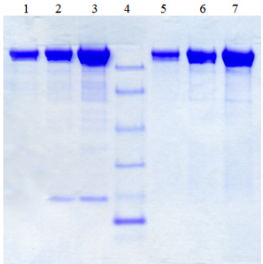
Purity: >95% by SDS-PAGE analysis

Extinction Coefficient: $E^{0.1\%}_{280nm} = 1.5$

Reconstitution: **Centrifuge vial prior to opening**. Add sterile, distilled water to 0.1-1.0 mg/ml. Aliquot and freeze unused portion.

Storage & Stability: Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

Certification: Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.



1. Human Ceruloplasmin (5 ug) R
2. Human Ceruloplasmin (10 ug) R
3. Human Ceruloplasmin (20 ug) R
4. Molecular Weight Markers
5. Human Ceruloplasmin (5 ug) NR
6. Human Ceruloplasmin (10 ug) NR
7. Human Ceruloplasmin (20 ug) NR

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