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CP
Native Human Ceruloplasmin, Plasma

Catalog No.	CSI19796A CSI19796B	**Quantity:**	1.0 mg 10 mg

Alternate Names: Ceruloplasmin, 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.

UniProt ID: P00450

Source: Human Plasma

Molecular Weight: 132 kDa

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

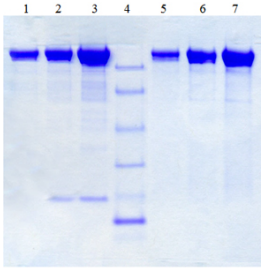
Purity: >95% by SDS-PAGE analysis

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

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute to the original volume with sterile, high purity water, followed by gentle mixing. **Do not vortex.** If further dilution is required use the same original formulation buffer. Exposure to sodium (such as sodium chloride, sodium phosphate, sodium azide) should be avoided as ceruloplasmin may precipitate under these conditions. Buffers should be pH-adjusted with potassium hydroxide (KOH)

Storage & Stability: Store unopened at -20°C to -80°C for at least 1 year. Following reconstitution, store at 2-8°C. **Freeze-thaw cycles contribute to degradation of ceruloplasmin.**

Infectious Disease Statement: 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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