

## CP

### CP, Native Human Ceruloplasmin (Ferroxidase)

<b>Catalog No.</b>	CRC153A	<b>Quantity:</b>	1 mg
	CRC153B		3 mg

**Alternate Names:** CP, CP-2, CEF

**Description:** Human Ceruloplasmin (CP) is also known as ferroxidase or iron(II):oxygen oxidoreductase. CP is an enzyme synthesized in the liver containing 8 atoms of copper in its structure. Although CP is often considered a copper transport protein, this is not its primary function, just as human hemoglobin is not a carrier of iron, although it contains iron. The main carrier for copper in the plasma of humans is albumin. CP enzyme (ferroxidase) catalyzes the oxidation of ferrous iron (Fe<sup>2+</sup>) to ferric iron (Fe<sup>3+</sup>), therefore assisting in CP enzyme transport in the plasma in association with transferrin, which can only carry iron in the ferric state.

**Gene ID:** 1356

**Source:** Human Plasma

**Molecular Weight:** ~134 kDa

**Formulation:** Lyophilized

**Purity:** >96% by SDS PAGE

**Storage & Stability:** Store at -20°C.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)