

CP

## Native Human ApoCeruloplasmin, Plasma

<b>Catalog No.</b>	CRA163A	<b>Quantity:</b>	1 mg
<b>Alternate Names:</b>	Ceruloplasmin, Ferroxidase		
<b>Description:</b>	Ceruloplasmin, the main copper-binding protein in blood and some other fluids, is well known for its copper-dependent enzymatic functions and as a source of copper for cells. About half of ceruloplasmin is in the apo (copper-free) form. Copper is incorporated into ceruloplasmin by the copper "pump", ATP7B, located in the transGolgi network after synthesis of the apoprotein. Apoceruloplasmin is the result not only of the release of copper from the holo form during delivery of this trace element to cells, but also from the secretion of apoceruloplasmin by hepatocytes and possibly other cells.		
<b>UniProt ID:</b>	P00450		
<b>Gene ID:</b>	1356		
<b>Source:</b>	Human Plasma		
<b>Molecular Weight:</b>	132 kDa		
<b>Formulation:</b>	Lyophilized from 100 mM NaCl, 15 mM NaN <sub>3</sub>		
<b>Purity:</b>	≥95% by SDS-PAGE analysis		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280\text{nm}} = 1.5$		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile, distilled water to 0.1-1.0 mg/ml. Aliquot and freeze unused portion.		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Infectious Disease Statement:</b>	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.		

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



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