

## Product datasheet for BA120

### Ceruloplasmin Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	Ceruloplasmin human protein, 1 mg
Species:	Human
Protein Source:	Plasma
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: 50mM Potassium Phosphate, pH 6.8, 100mM Potassium Chloride, 20mM E-Amino-n-Caproic Acid and 5mM EDTA without preservatives. <b>Note:</b> Exposure to Sodium (in the form of Sodium Chloride, Sodium Phosphate, Sodium Azide as well as other Sodium containing reagents) should be avoided, as Ceruloplasmin may precipitate under these conditions. Buffers that ceruloplasmin is exposed to should be pH adjusted with Potassium Hydroxide. Preservative: None
Reconstitution Method:	Restore with distilled water.
Preparation:	Lyophilized purified protein
Protein Description:	Purified Human Plasma Ceruloplasmin.
Note:	Caution: All human source materials have tested negative for HIV 1, HIV 2, HCV and HBc antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store the protein (in the dark) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000087</a>
Locus ID:	1356
Cytogenetics:	3q24-q25.1
Synonyms:	CP-2



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**Summary:** The protein encoded by this gene is a metalloprotein that binds most of the copper in plasma and is involved in the peroxidation of Fe(II)transferrin to Fe(III) transferrin. Mutations in this gene cause aceruloplasminemia, which results in iron accumulation and tissue damage, and is associated with diabetes and neurologic abnormalities. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Feb 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Porphyrin and chlorophyll metabolism