

## Recombinant Rat Cp protein, His & T7-tagged

Cat. No. Cp-5627R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Cp aa. (Ala872~Gly1059 (Accession # P13635)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala872~Gly1059
<b>Description</b>	Copper-containing ferroxidase that promotes iron incorporation into transferrin; plays a role in iron metabolism and homeostatis.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 25.6kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.2.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

Cp ceruloplasmin [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Cp

**Synonyms**

Cp; ceruloplasmin; CERP; bilitranslocase; ceruloplasmin (ferroxidase)

**Gene ID**

24268

**mRNA Refseq**

NM\_001270961.1

**Protein Refseq**

NP\_001257890.1

**UniProt ID**

P13635

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