

## Recombinant Mouse Cpb2 protein, His & S-tagged

**Cat. No.** Cpb2-609M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Cpb2 aa. (Pro187~Lys327 (Accession # Q9JHH6)) fused with N-terminal His & S tag was produced in E. coli cells.                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Pro187~Lys327                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes carboxypeptidase B, a zinc-dependent metalloprotease that cleaves peptide bonds at the C-terminus of protein substrates. The encoded preproprotein undergoes proteolytic activation to generate a mature, functional enzyme, and secreted into plasma. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 22 kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                             |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                     |
| <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, pH 7.4.

**Reconstitution**

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

## GENE INFORMATION

**Gene Name**

Cpb2 carboxypeptidase B2 (plasma) [ *Mus musculus* (house mouse) ]

**Official Symbol**

Cpb2

**Synonyms**

Cpb2; carboxypeptidase B2 (plasma); CPR; Cpu; TAFI; AI255929; 1110032P04Rik; 4930405E17Rik; carboxypeptidase B2; carboxypeptidase R; carboxypeptidase U; thrombin-activable fibrinolysis inhibitor; thrombin-activatable fibrinolysis inhibitor

**Gene ID**

56373

**mRNA Refseq**

NM\_019775.3

**Protein Refseq**

NP\_062749.2

**UniProt ID**

Q9JHH6

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