

## Carboxypeptidase B Rat

**Description:** Recombinant Rat Carboxypeptidase-B is expressed in E.Coli having a Mw of 35kDa is purified by standard chromatography techniques. Recombinant Rat Carboxypeptidase-B is free from foreign enzymes such as carboxypeptidase A & chymotrypsin. Recombinant Carboxypeptidase-B is free from protease inhibitors such as PMSF and EDTA.

**Catalog #:** ENPS-482

For research use only.

**Synonyms:** Carboxypeptidase B, Cpb1, Cpb.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered lyophilized powder.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The protein was lyophilized with 100mM NaCl and 20mM Tris pH-7.5.

**Stability:**

Recombinant Rat Carboxypeptidase-B although stable at room temp for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized Rat Carboxypeptidase-B in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Introduction:**

Carboxypeptidase B (EC 3.4.17.2) catalyzes hydrolysis of the basic amino acids lysine, arginine and ornithine from the C-terminal end of polypeptides. The Mw was found to be 34.5 kda, optimum pH-7.9, and pI-6. Carboxypeptidase B is inhibited by arginine, lysine and ornithine. The enzyme is not inhibited by di-isopropylfluorophosphate (DFP), but it is inhibited by metal chelating agents, e.g., EDTA, 1,10-phenanthroline.

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