

## 32-2205: rCarboxypeptidase-B Recombinant Protein

**Alternative Name :** Carboxypeptidase B,Cpb1,Cpb.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	15 mg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The protein was lyophilized with 100mM NaCl and 20mM Tris pH-7.5.
<b>Storage condition :</b>	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.

### Application Note

It is recommended to reconstitute the lyophilized Rat Carboxypeptidase-B in sterile 18MΩ•cm H<sub>2</sub>O not less than 100Å•g/ml, which can then be further diluted to other aqueous solutions. 170 units/mg protein.

