
Product Data Sheet

Product Name: Carboxypeptidase B Rat
Cat. No.: GP21461
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Carboxypeptidase B; Cpb1; Cpb.		
Solubility	It is recommended to reconstitute the lyophilized Rat Carboxypeptidase-B in sterile 18MΩ-cm H ₂ O or 25mM Tris-HCl pH 7.65 not less than 100μg/ml , which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized with 100mM NaCl, mannitol and 20mM Tris pH-7.5.		

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.

Biological Activity

170 units/mg protein.

Stability

Store the lyophilized Carboxypeptidase-B at 4°C . Upon reconstitute the protein should be stored at 4°C for 2 weeks and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

Recombinant Rat Carboxypeptidase-B is expressed in E.Coli having a Mw of 31kDa is purified by standard chromatography techniques. Recombinant Rat Carboxypeptidase-B

Caution: Product has not been fully validated for medical applications. For research use only.

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is free from foreign enzymes such as carboxypeptidase A & chymotrypsin. Recombinant Carboxypeptidase-B is free from protease inhibitors such as PMSF and EDTA.

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