

Carboxypeptidase B, Porcine pancreas

Cat. No.:	HY-P2746
CAS No.:	9025-24-5
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Carboxypeptidase B

BIOLOGICAL ACTIVITY

Description

Carboxypeptidase B, Porcine pancreas (EC 3.4.2.2) is a peptide exonuclease that can specifically degrade peptide chains. Carboxypeptidase B is progressively degraded from the C-terminal to release free amino acids. Carboxypeptidase B hydrolyzes only peptide bonds with basic amino acids (such as arginine and lysine) as C-terminal residues^{[1][2]}.

REFERENCES

- [1]. FOLK JE, et al. The kinetics of carboxypeptidase B activity. II. Kinetic parameters of the cobalt and cadmium enzymes. J Biol Chem. 1962 Oct;237:3100-4.
- [2]. Qian X, et al. Molecular characterization of carboxypeptidase B-like (CPB) in Scylla paramamosain and its role in white spot syndrome virus and Vibrio alginolyticus infection. Fish Shellfish Immunol. 2019 Nov;94:434-446.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA