

**Recombinant Rat Carboxypeptidase-B**  
**Catalog # PBG10052****Specification**

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**Recombinant Rat Carboxypeptidase-B - Product Information****Recombinant Rat Carboxypeptidase-B - Additional Information****Description**

Proteases (also called Proteolytic Enzymes, Peptidases, or Proteinases) are enzymes that hydrolyze the amide bonds within proteins or peptides. Most proteases act in a specific manner, hydrolyzing bonds at or adjacent to specific residues or a specific sequence of residues contained within the substrate protein or peptide. Proteases play an important role in most diseases and biological processes including prenatal and postnatal development, reproduction, signal transduction, the immune response, various autoimmune and degenerative diseases, and cancer. They are also an important research tool, frequently used in the analysis and production of proteins. Carboxypeptidase-B sequentially cleaves C terminal K and R residues. Recombinant rat Carboxypeptidase-B is a 35.1 kDa protein consisting of 307 amino acids.

**Biological Activity**

Carboxypeptidase-B sequentially cleaves C terminal K and R residues.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Rat Carboxypeptidase-B is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Rat Carboxypeptidase-B - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

## **Recombinant Rat Carboxypeptidase-B - Images**