Carboxypeptidase-B Rat E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Rat
Other names: Cpb1

Cat. No.:

RBG30051002	(2 µg)
RBG30051010	(10 µg)
RBG30051100	(100 µg)

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.

Research topic

Others

Amino Acid Sequence

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ASGHSYTKYN NWETIEAWIQ QVATDNPDLV TQSVIGTTFE GRNMYVLKIG KTRPNKPAIF IDCGFHAREW ISPAFCQWFV
REAVRTYNQE IHMKQLLDEL DFYVLPVVNI DGYVYTWTKD RMWRKTRSTM AGSSCLGVDP NRNFNAGWCE VGASRSPCSE
TYCGPAPESE KETKALADFI RNNLSTIKAY LTIHSYSQMM LYPYSYDYKL PENYEELNAL VKGAAKELAT LHGTKYTYGP
GATTIYPAAG GSDDWSYDQG IKYSFTFELR DTGFFGFLLP ESQIRQTCEE TMLAVKYIAN YVREHLY
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Source

E. coli

Purity

95%

Biological Activity

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

Endotoxin

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

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

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