

Carboxypeptidase-B Active Protein | Cpb1 active protein

Rat Carboxypeptidase-B

CATALOG # AAA79118	HOST E. coli
------------------------------	------------------------

PRODUCT SYNONYMS

Carboxypeptidase-B; Rat Carboxypeptidase-B; Cpb1; Cpb; Cpb1 active protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	>95% by SDS-PAGE & HPLC analysis
Form/Format	Lyophilized (20mM Tris, pH 8.0 + 50mM NaCl)
Sequence	ASGHSYTKYN NWETIEAWIQ QVATDNPDLV TQSVIGTTFE GRNMYVLKIG KTRPNKPAIF IDCGFHAREW ISPAFCQWFV REAVRTYNQE IHMKQLDEL DFYVLPVNI DGYVYTWTGD RMWRKTRSTM AGSSCLGVDP NRNFNAGWCE VGASRSPCSE TYCGPAPES KETKALADFI RNNLSTIKAY LTIHSYSQMM LYPYSYDYKL PENYEELNAL VKGAAKELAT LHGTYTYGP GATTIYPAAG GSDDWSYDQG IKYSFTFELR DTGFFGFLLP ESQIRQTCEE TMLAVKYIAN YVREHLY
Endotoxin level	< 0.1 ng /ug of protein (<1EU/ug).
Length (aa)	307
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer (e.g. PBS) containing a carrier protein (e.g. 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Biological Activity	Carboxypeptidase-B sequentially cleaves C terminal K and R residues.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

ADDITIONAL INFORMATION

Related Product Information for Cpb1 active protein	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.
Product Categories/Family for Cpb1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978697
NCBI GeneID	24271
NCBI Accession #	NP_036665.1

NCBI GenBank Nucleotide #	NM_012533.1
UniProt Accession #	P19223
Molecular Weight	47,515 Da
NCBI Official Full Name	carboxypeptidase B
NCBI Official Synonym Full Names	carboxypeptidase B1 (tissue)
NCBI Official Symbol	Cpb1
NCBI Official Synonym Symbols	Cpb
NCBI Protein Information	carboxypeptidase B; pancreatic carboxypeptidase B1
UniProt Protein Name	Carboxypeptidase B
UniProt Gene Name	Cpb1
UniProt Synonym Gene Names	Cpb
UniProt Entry Name	CBPB1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/carboxypeptidase-b/79118>