



[Go to Product page](#)

Datasheet for ABIN2468308
CPB1 Protein

Overview

| | |
|----------------------|----------------------------|
| Quantity: | 0.005 mg |
| Target: | CPB1 |
| Origin: | Rat |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

Product Details

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

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

Purity: < 95 % by SDS-PAGE gel and HPLC analyses.

Endotoxin Level: Endotoxin level is less than 0.1 ng per µg of Carboxypeptidase-B (1 EU/µg).

Target Details

| | |
|-------------------|--|
| Target: | CPB1 |
| Alternative Name: | Carboxypeptidase-B (CPB1 Products) |

Target Details

Background: 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.

Gene ID: 24271

NCBI Accession: [NP_036665](#)

OMIM: 6978697

UniProt: [P19223](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling Advice: As with any protein, exposing Carboxypeptidase-B recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage: -20 °C

Storage Comment: The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted Carboxypeptidase-B stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.

Expiry Date: 24 months