

Carboxypeptidase B2/CPB2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75450
Synonyms:	Carboxypeptidase B2; CPU; pCPB; TAFI; CPB2
Species:	Mouse
Source:	HEK293
Accession:	Q9JHH6 (M1-T422)
Gene ID:	56373
Molecular Weight:	Approximately 60 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Carboxypeptidase B2/CPB2 protein functions by cleaving C-terminal arginine or lysine residues from biologically active peptides, such as kinins or anaphylatoxins, in the circulation, thereby regulating their activities. It also plays a role in down-regulating fibrinolysis by removing C-terminal lysine residues from partially degraded fibrin, which has been acted upon by plasmin. This protein thus contributes to the fine-tuning of peptide signaling and the regulation of fibrinolysis processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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