

Recombinant Human Carboxypeptidase B1/CPB1 Protein (His Tag)

Catalog No. PKSH032171

Note: Centrifuge before opening to ensure complete recovery of vial contents.

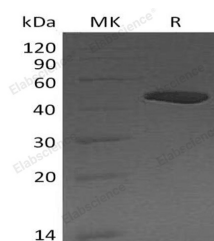
Description

Synonyms	Carboxypeptidase B;Pancreas-Specific Protein;PASP;CPB1;CPB;PCPB
Species	Human
Expression Host	HEK293 Cells
Sequence	His16-Tyr417
Accession	P15086
Calculated Molecular Weight	46.9 kDa
Observed molecular weight	47 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Carboxypeptidase B1 is an exopeptidase which specifically cleaves the C-terminal Arg and Lys residues with a preference for Arg. Expressed mainly in pancreas, CPB1 is a useful serum marker for acute pancreatitis and pancreatic graft rejection. Human CPB1 consists of a signal peptide, a pro region, and a mature chain. The purified rhCPB1 corresponds to the pro form, which can be activated by trypsin, the only pancreatic protease capable of generating active enzyme from the zymogen in vitro.

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