

Recombinant Human Carboxypeptidase B1/CPB1 Protein (His Tag)



Catalog Number:PKSH032171

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

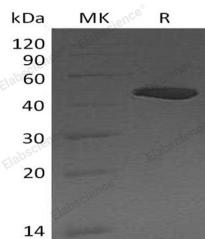
Description

| | |
|------------------------------------|---|
| 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 |

Properties

| | |
|-----------------------|--|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per μ g 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 μ m 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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