

Recombinant Human PRCP Protein (His Tag)

Catalog Number: PKSH032721

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

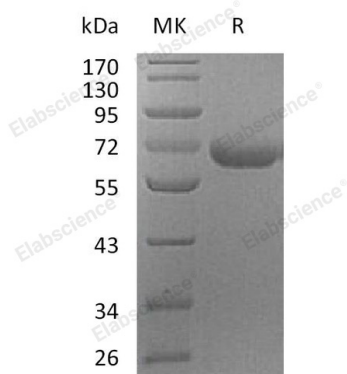
Description

Species	Human
Source	HEK293 Cells-derived Human PRCP protein Leu22-His496, with an C-terminal His
Calculated MW	54.5 kDa
Observed MW	60-90 kDa
Accession	P42785
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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 NaAc-HAc, 150mM NaCl, 10% Glycerol, pH4.5.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Lysosomal Pro-X Carboxypeptidase (PRCP) belongs to the peptidase S28 family. PRCP is detected in many tissues, with highest levels observed in placenta, lung, and liver. It is also present in the heart, brain, pancreas, and kidney. PRCP exists as a homodimer. PRCP cleaves C-terminal amino acids linked to proline in peptides such as angiotensin II, III and des-Arg9-bradykinin. This cleavage occurs at acidic pH, but enzymatic activity is retained with some substrates at neutral pH. PRCP has been shown to be an activator of the cell matrix-associated prekallikrein.