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37-1230: Human Carboxypeptidase A2 / CPA2 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Human
Alternative Name : CPA2 Protein,

Description

Source : HEK293 Cells
Carboxypeptidase A2 (CPA2) is a secreted pancreatic procarboxy -peptidase, and cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference towards long substrates with aromatic amino acids in their C-terminal end, particularly tryptophan. CPA2 comprises a signal peptide, a pro region and a mature chain, and can be activated after cleavage of the pro peptide. Three different forms of human pancreatic procarboxypeptidase A have been isolated, and the A1 and A2 forms are always secreted as monomeric proteins with different biochemical properties.

Product Info

Amount :	Human Carboxypeptidase A2 / CPA2 Recombinant Protein (His Tag)(Discontinued) / 20 µg
Purification :	> 90 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Tyr417

Application Note

Measured by its ability to cleave a colorimetric peptide substrate, N-acetyl-Phe-Thiaphe-OH , in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB), as measured using the wavelength at 405 nm and the extinction coefficient of 13,260 M-1 cm-1. The specific activity is >4,000 pmoles/min/ÃÂµg .
Endotoxin :< 1.0 EU per ÃÂµg of the protein as determined by the LAL method

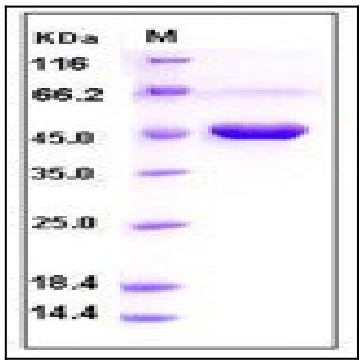

Fig 1: Human Carboxypeptidase A2 / CPA2 Recombinant Protein (His Tag)