Datasheet for ABIN7320148

Carboxypeptidase A2 Protein (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Carboxypeptidase A2 (CPA2)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Carboxypeptidase A2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CPA2 Protein (His Tag)(Active)
Sequence:	Met 1-Tyr 417
Characteristics:	A DNA sequence encoding the mouse CPA2 (Q504N0) (Met 1-Tyr 417) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to cleave the colorimetric peptide substrate Ac-Phe-Thiaphe-OH in the presence of DTNB.The specific activity is >4000 pmoles/min/µg.

Target Details

Target:	Carboxypeptidase A2 (CPA2)

Target Details

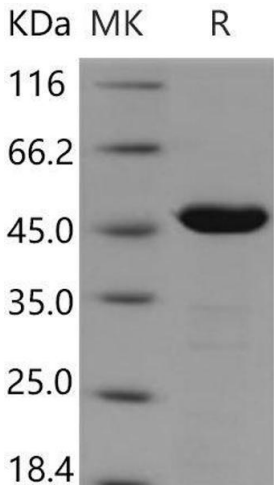
Alternative Name:	CPA2 (CPA2 Products)
Background:	Background: Carboxypeptidase A2 (CPA2) is a secreted pancreatic procarboxy -peptidase, and cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference 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. Synonym: CPA2,Carboxypeptidase A2
Molecular Weight:	46.6 kDa
UniProt:	Q504N0

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.