

Active Recombinant Human CPA2 protein, His-tagged

Cat. No. CPA2-3174H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CPA2 protein(NP_001859.1) (Met 1-Tyr 417) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-417 aa
Form	Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.4.
Bio-activity	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/μg.
Molecular Mass	The secreted recombinant human CPA2 existing as the proform consists of 412 amino acids and has a predicted molecular mass of 46 kDa also as estimated by SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

 Tel: 1-631-559-9269 1-516-512-3133

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CPA2 carboxypeptidase A2 (pancreatic) [Homo sapiens]

Official Symbol CPA2

Synonyms CPA2; carboxypeptidase A2 (pancreatic); carboxypeptidase A2;

Gene ID 1358

mRNA Refseq NM_001869

Protein Refseq NP_001860

MIM 600688

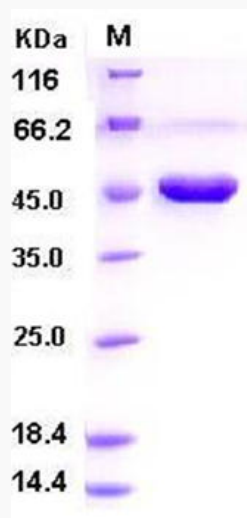
UniProt ID P48052

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SDS-PAGE



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