

Recombinant Human CPA5 Protein, His-tagged

Cat. No. CPA5-833H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPA5 Protein (Val214-Tyr436) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val214-Tyr436
Description	Carboxypeptidases have functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Members of the A/B subfamily of carboxypeptidases, such as CPA5, contain an approximately 90-amino acid pro region that assists in the folding of the active carboxypeptidase domain. Cleavage of the pro region activates the enzyme (Wei et al., 2002 [PubMed 11836249]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.8 kDa; Accurate Molecular Mass: 29 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

CPA5 carboxypeptidase A5 [Homo sapiens (human)]

Official Symbol

CPA5

Synonyms

CPA5; carboxypeptidase A5; FLJ35969;

Gene ID

93979

mRNA Refseq

NM_001127441

Protein Refseq

NP_001120913

MIM

609561

UniProt ID

Q8WXQ8

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA