

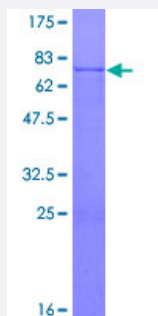
Full-Length

## CPA3 (Human) Recombinant Protein (P01)

Catalog # H00001359-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human CPA3 full-length ORF ( NP\_001861.1, 1 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MRLILPVGLIATTLAIAPVRFDREKVFRVKPQDEKQADIKDLAKTNELDFWYPGATHHVAANMMVD  
FRVSEKESQAIQSALDQNKMHYEILHDLQEEIEKQFDVKEDIPGRHSYAKYNNWEKVAWTEKMM  
DKYPEMVSRIKIGSTVEDNPLYVLKIGEKNERRKAIFMDCGIHAREWVSPAFCQWFVYQATKTYGR  
NKIMTKLLDRMNFYILPVFNVDGYWSWTKNRMWRKNRSKNQNSKICIGTDLNRNFNASWNSIPNTN  
DPCADNYRGSAPESSEKETKAVTNFIRSHLNEIKVYTFHSYSQMLLFPYGYTSKLPPNHEDLAKVAK  
IGTDVLSTRYETRYYGPIESTYPISGSSLDWAYDLGIKHTFAFELRDKGKFGFLLPESRIKPTCRETM  
LAVKFIKYLKHTS

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

75.1

#### Interspecies Antigen Sequence

Mouse (82); Rat (83)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Storage Buffer      | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CPA3

|                     |                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1359</a>                                                                                                                                                                                                                                                             |
| GeneBank Accession# | <a href="#">NM_001870.1</a>                                                                                                                                                                                                                                                      |
| Protein Accession#  | <a href="#">NP_001861.1</a>                                                                                                                                                                                                                                                      |
| Gene Name           | CPA3                                                                                                                                                                                                                                                                             |
| Gene Alias          | -                                                                                                                                                                                                                                                                                |
| Gene Description    | carboxypeptidase A3 (mast cell)                                                                                                                                                                                                                                                  |
| Omim ID             | <a href="#">114851</a>                                                                                                                                                                                                                                                           |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                        |
| Gene Summary        | Three different forms of human pancreatic procarboxypeptidase A have been isolated. This gene encodes a form which is obtained as a binary complex of a procarboxypeptidase A with propeptidase E and functions as a secretory granule metalloexopeptidase. [provided by RefSeq] |
| Other Designations  | mast cell carboxypeptidase A3                                                                                                                                                                                                                                                    |

## Pathway

- [Renin-angiotensin system](#)