

Full-Length

CPA4 (Human) Recombinant Protein (P01)

Catalog # H00051200-P01

Size 50 ug

Specification

Product Description	Human CPA4 full-length ORF (BAF83682.1, 1 a.a. - 421 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MRWILFIGALIGSSICGQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKLNFWKSPSSFNRPVDVL VPSVSLQAFKSFLRSQGLEAYVTIEDLQALLDNEDDEMQRHNEGQERSNNFNFGAYHSLEAMHE MDNIAADFPDLARRVKIGHSFENRPMYVLKFSTGKGVRRAVWLNAGIHSREWISQATAMWTARKI VSDYQRDPAITSILEKMDIFLLPVANPDGYVYTQTQNRLWRKTRSRNPGSSCIGADPNRNWNASFA GKGASDNPCSEVYHGPHANSEVEVKSVDVFIQKHGNFKGFIDLHSYSQLLMYPYGYSVKKAPDA EELDKVARLAALKALASVSGTEYQVGPTCTTVYPASGSSIDWAYDNGIKFAFTFELRDTGTYGFLLP ANQIIPAEETWLGLKTIMEHVRDNL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	72.71
Interspecies Antigen Sequence	Mouse (83); Rat (84)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — CPA4

Entrez GeneID [51200](#)

GeneBank Accession# [AK290993.1](#)

Protein Accession# [BAF83682.1](#)

Gene Name CPA4

Gene Alias CPA3

Gene Description carboxypeptidase A4

Omim ID [607635](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the carboxypeptidase A/B subfamily, and it is located in a cluster with three other family members on chromosome 7. Carboxypeptidases are zinc-containing exopeptidases that catalyze the release of carboxy-terminal amino acids, and are synthesized as zymogens that are activated by proteolytic cleavage. This gene could be involved in the histone hyperacetylation pathway. It is imprinted and may be a strong candidate gene for prostate cancer aggressiveness. [provided by RefSeq]

Other Designations carboxypeptidase A3

Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)