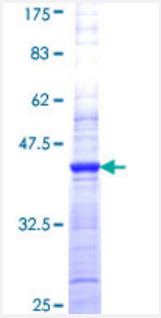
CPA4 (Human) Recombinant Protein (Q01)

Catalog # H00051200-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CPA4 partial ORF (NP_057436, 260 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NASFAGKGASDNPCSEVYHGPHANSEVEVKSVVDFIQKHGNFKGFIDLHSYSQLLMYPYGYSVK KAPDAEELDKVARLAAKALASVSGTEYQVGPTCTTVYP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.96
Interspecies Antigen Sequence	Mouse (83); Rat (84)
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 — CPA4

Entrez GeneID	51200
GeneBank Accession#	NM_016352
Protein Accession#	NP_057436
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