

Recombinant Human CPA4 Protein, His-tagged

Cat. No. CPA4-782H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CPA4 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	421
Description	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.
Form	Lyophilized
Molecular Mass	46.4 kDa
AA Sequence	MRWILFIGALIGSSICGQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKLNFWKSPS SFNRPVDVLVPSVSLQAFKSFLRSQGLEAYVTIEDLQALLDNEDDEMQRHNEGQERS SNNFNYGAYHSLEAIYHEMDNIAADFPDLARRVKIGHSFENRPMYVLKFSTGKGVRR PAVWLNAGIHSREWISQATAIWTARKIVSDYQRDPAITSILEKMDIFLLPVANPDGYVY TQTQNRLWRKTRSRNPGSSCIGADPNRNWNASFAGKGASDNPCSEVYHGPHANS EVEVKSVDIFIQKHGNFKGFIDLHSYSQLLMYPYGYSVKKAPDAEELDKVARLAAKA

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	LASVSGTEYQVGPTCTTVYPASGSSIDWAYDNGIKFAFTFELRDTGTYGFLLPANQII PTAEETWLGLKTIMEHVRDONLY
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CPA4 carboxypeptidase A4 [Homo sapiens (human)]
Official Symbol	CPA4
Synonyms	CPA4; carboxypeptidase A4; carboxypeptidase A3; CPA3;
Gene ID	51200

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mRNA Refseq	NM_001163446
Protein Refseq	NP_001156918
MIM	607635
UniProt ID	Q9UI42

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