

Product datasheet for **TP308575**

CPA4 (NM_016352) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human carboxypeptidase A4 (CPA4), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC208575 protein sequence
Red=Cloning site **Green**=Tags(s)

MRWILFIGALIGSSICGQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKLNFWKSPSSFNRPVDVLVPS
VSLQAFKSFLRSQGLEAVTIEDLQALLDNEDDEMQRHNEGQERSSNNFNFGAYHSLEAIYHEMDNIAADF
PDLARRVKIGHSFENRPMYVLKFSTGKGVRRPAVWLNAGIHSREWISQATAIWTARKIVSDYQRDPAITS
ILEKMDIFLLPVANPDGYVYTQTQNRLWRKTRSRNPGSSCIGADPNRNWNASAFAGKGASDNPCSEVYHGP
HANSEVEVKSVDIFIQKHGNFKGFIDLHSYSQLLMYPYGYSVKKAPDAEELDKVARLAALKALASVSGTEY
QVGPTCTVYPASGSSIDWAYDNGIKFAFTFELRDTGTYGFLLPANQIIPTAETWLGLKTIMEHVRDNL
Y

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 45.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_057436](#)



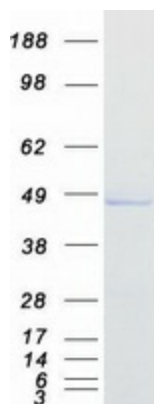
[View online »](#)

Locus ID: 51200
UniProt ID: [Q9UI42](#), [A4D1M3](#)
RefSeq Size: 2817
Cytogenetics: 7q32.2
RefSeq ORF: 1263
Synonyms: CPA3

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, Jul 2008]

Protein Families: Druggable Genome, Protease, Secreted Protein

Product images:



Coomassie blue staining of purified CPA4 protein (Cat# TP308575). The protein was produced from HEK293T cells transfected with CPA4 cDNA clone (Cat# [RC208575]) using MegaTran 2.0 (Cat# [TT210002]).