

## **Product datasheet for PH308575**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## CPA4 (NM\_016352) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** CPA4 MS Standard C13 and N15-labeled recombinant protein (NP\_057436)

Species: Human Expression Host: HEK293

Expression cDNA Clone

RC208575

or AA Sequence: Predicted MW:

47.4 kDa

Protein Sequence: >RC208575 protein sequence

Red=Cloning site Green=Tags(s)

MRWILFIGALIGSSICGQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKLNFWKSPSSFNRPVDVLVPS VSLQAFKSFLRSQGLEYAVTIEDLQALLDNEDDEMQHNEGQERSSNNFNYGAYHSLEAIYHEMDNIAADF PDLARRVKIGHSFENRPMYVLKFSTGKGVRRPAVWLNAGIHSREWISQATAIWTARKIVSDYQRDPAITS ILEKMDIFLLPVANPDGYVYTQTQNRLWRKTRSRNPGSSCIGADPNRNWNASFAGKGASDNPCSEVYHGP HANSEVEVKSVVDFIQKHGNFKGFIDLHSYSQLLMYPYGYSVKKAPDAEELDKVARLAAKALASVSGTEY QVGPTCTTVYPASGSSIDWAYDNGIKFAFTFELRDTGTYGFLLPANQIIPTAEETWLGLKTIMEHVRDNL

Υ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

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

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

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 057436

RefSeq Size: 2817
RefSeq ORF: 1263
Synonyms: CPA3





**Locus ID:** 51200

UniProt ID: Q9UI42, A4D1M3

**Cytogenetics:** 7q32.2

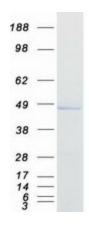
**Summary:** This gene is a member of the carboxypeptidase A/B subfamily, and it is located in a cluster

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]).