

Product datasheet for PH308575

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 or AA Sequence:	RC208575
Predicted MW:	47.4 kDa
Protein Sequence:	>RC208575 protein sequence Red=Cloning site Green=Tags(s)
	MRWILFIGALIGSSICGQEKFFGDQVLRINVRNGDEISKLSQLVNSNNLKLNFWKSPSSFNRPVDVLVPS VSLQAFKSFRLSQGLEAYVTIEDLQALLDNEDDEMQHNEGQERSNNFNYGAYHSLEAIYHEMDNIAADF PDLARRVKIGHSFENRPMYVLKFKSTGKGVRRPAVWLNAGIHSREWISQATAIWTARKIVSDYQRDPAITS ILEKMDIFLLPVANPDGYVYTQTQNRLWRKTRSRNPGSSCIGADPNRNWNASFAGKGASDNPCSEVYHGP HANSEVEVKSVDVFIQKHGNFKGFDLHSYSQLLMYPYGYSVKKAPDAEELDKVARLAALKALASVSGTEY QVGPTCTTVYPASGSSIDWAYDNGIKFAFTFELRDTGTYGFLLPANQIIPTAEETWLGLKTIMEHVRDNL Y
	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:	<u>NP_057436</u>
RefSeq Size:	2817
RefSeq ORF:	1263
Synonyms:	CPA3



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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]).