

Recombinant Human CPA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CPA5-4613H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CPA5 MS Standard C13 and N15-labeled recombinant protein (NP_525124) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Carboxypeptidases have functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Members of the A/B subfamily of carboxypeptidases, such as CPA5, contain an approximately 90-amino acid pro region that assists in the folding of the active carboxypeptidase domain. Cleavage of the pro region activates the enzyme.
Molecular Mass	49 kDa
AA Sequence	MQGTPGGGTRPGPSPVDRRTLLVFSFILAAALGQMNFTGDQVLRVLAKDEKQLSLL GDLEGLKPQKVDFWRGPARPSLPVDMRVPFSELKDIKAYLESHGLAYSIMIKDIQVLL DEERQAMAKSRRLERSTNSFSYSSYHTLEEIYSWIDNFVMEHSDIVSKIQIGNSFENQ SILVLKFSTGGSRHPAIWIDTGIHSREWTHATGIWTANKIVSDYGKDRVLTDLNAMDI FIELVTNPDGFAFTHSMNRLWRKNKSIRPGIFCIGVDLNRNWKSGFGGNGSNSNPC SETYHGPPSPQSEPEVAAIVNFITAHGNFKALISHSYSQMLMPYGRSLDPVSNQREL YDLAKDAVEALYKVHGIEYIFGSISTTLVASGITVDWAYDSGIKYAFSFEIRDGTGQYG FLLPATQIIPTAQETWMALRTIMEHTLNHPYTRTRPLEQKLISEEDLAANDILDYKDDD

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	DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CPA5 carboxypeptidase A5 [Homo sapiens (human)]
Official Symbol	CPA5
Synonyms	CPA5; carboxypeptidase A5; FLJ35969;
Gene ID	93979
mRNA Refseq	NM_080385
Protein Refseq	NP_525124
MIM	609561
UniProt ID	Q8WXQ8

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SDS-PAGE

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