

Recombinant Full Length Human CPA5 Protein, GST-tagged

Cat. No. CPA5-2031HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPA5 full-length ORF (NP_525124.2, 1 a.a. - 436 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	436 amino acids
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 (Wei et al., 2002 [PubMed 11836249]).[supplied by OMIM, Mar 2008]
Molecular Mass	75.4 kDa
AA Sequence	MQGTPGGGTRPGPSPVDRRTLLVFSFILAAALGQMNFTGDQVLRVLAKDEKQLSLL GDLEGLKPQKQVDFWRGPARPSLPVDMRVPFSELKDIKAYLESHGLAYSIMIKDIQVLL DEERQAMAKSRRLERSTNSFSYSSYHTLEEIYSWIDNFMHSDIVSKIQIGNSFENQ SILVLKFSTGGSRHPAIWIDTGIHSREWITHATGIWTANKIVSDYGKDRVLTDLNAMDI FIELVTNPDGFAFTHSMNRLWRKNKSIRPGIFCIGVDLNRNWKSGFGGNGSNSNPC SETYHGPPSPQSEPEVAAIVNFITAHGNFKALISIHYSQMLMYPYGRSLDPVSNQREL YDLAKDAVEALYKVHGIEYIFGSIISTTLVVASGITVDWAYDSGIKYAFSFEIRDGTGQYG

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	FLLPATQIIPTAQETWMALRTIMEHTLNHPY
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CPA5 carboxypeptidase A5 [Homo sapiens]
Official Symbol	CPA5
Synonyms	CPA5; carboxypeptidase A5; FLJ35969
Gene ID	93979
mRNA Refseq	NM_001127441
Protein Refseq	NP_001120913
MIM	609561
UniProt ID	Q8WXQ8

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