

Recombinant Full Length Human CPA6 Protein, GST-tagged

Cat. No. CPA6-2032HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPA6 full-length ORF (NP_065094.2, 1 a.a. - 437 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	437 amino acids
Description	The gene encodes a member of the peptidase M14 family of metallocarboxypeptidases. The encoded preproprotein is proteolytically processed to generate the mature enzyme, which catalyzes the release of large hydrophobic C-terminal amino acids. This enzyme has functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Mutations in this gene may be linked to epilepsy and febrile seizures, and a translocation t(6;8)(q26;q13) involving this gene has been associated with Duane retraction syndrome. [provided by RefSeq, May 2016]
Molecular Mass	77.4 kDa
AA Sequence	MKCLGKRRGQAAAFPLCWLFLKILQPGHSHLYNNRYAGDKVIRFIPKTEEEAYALK KISYQLKVDLWQPSSISYVSEGTVDVHIPQNGSRALLAFLQEANIYKVLIEDLQKTL EKGSSLHTQRNRRSLSGYNYEVYHSLEEIQNWMHHLNKTHTSGLIHMFSIGRSYEGR CLFILKLGRRSRLKRAVWIDCGIHAREWIGPAFCQWFVKEALLTYKSDPAMRKMLNH LYFYIMPVFNVDGYHFSWTNDRFWRKTRSRNSRFRRCRGVDANRNWVKVWCDEGA

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SMHPCDDTYCGPFPESEPEVKAVANFLRKHRKHIRAYLSFHAYAQMMLYPYSYKYA
TIPNFRVCVESAAYKAVNALQSVYGVRYRYGPASTTLYVSSGSSMDWAYKNGIPYAF
AFELRDTGYFGFLLPEMLIKPTCTETMLAVKNITMHLLKKCP

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

CPA6 carboxypeptidase A6 [Homo sapiens]

Official Symbol

CPA6

Synonyms

CPA6; carboxypeptidase A6; CPAH; carboxypeptidase B; ETL5; FEB11

Gene ID

57094

mRNA Refseq

NM_020361

Protein Refseq

NP_065094

MIM

609562

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UniProt ID

Q8N4T0

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