Recombinant Human CPA6 Protein, GST-tagged

Cat. No. CPA6-1776H **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	Wheat Germ
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	MKCLGKRRGQAAAFLPLCWLFLKILQPGHSHLYNNRYAGDKVIRFIPKTEEEAYALK KISYQLKVDLWQPSSISYVSEGTVTDVHIPQNGSRALLAFLQEANIQYKVLIEDLQKTL EKGSSLHTQRNRRSLSGYNYEVYHSLEEIQNWMHHLNKTHSGLIHMFSIGRSYEGR CLFILKLGRRSRLKRAVWIDCGIHAREWIGPAFCQWFVKEALLTYKSDPAMRKMLNH LYFYIMPVFNVDGYHFSWTNDRFWRKTRSRNSRFRCRGVDANRNWKVKWCDEGA SMHPCDDTYCGPFPESEPEVKAVANFLRKHRKHIRAYLSFHAYAQMLLYPYSYKYA

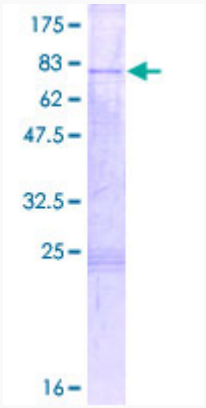
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	TIPNFRCVESAAYKAVNALQSVYGVRYRYGPASTTLYVSSGSSMDWAYKNGIPYAF AFELRDTGYFGFLLPEMLIKPTCTETMLAVKNITMHLLKKCP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months 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
UniProt ID	Q8N4T0

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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