

# Recombinant Full Length Human CPA1 Protein, GST-tagged

Cat. No. CPA1-2047HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CPA1 full-length ORF ( AAH05279, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	419 amino acids
<b>Description</b>	This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases. This enzyme is produced in the pancreas and preferentially cleaves C-terminal branched-chain and aromatic amino acids from dietary proteins. This gene and several family members are present in a gene cluster on chromosome 7. Mutations in this gene may be linked to chronic pancreatitis, while elevated protein levels may be associated with pancreatic cancer. [provided by RefSeq, Jan 2015]
<b>Molecular Mass</b>	71.83 kDa
<b>AA Sequence</b>	MRGLLVLSVLLGAVFGKEDFVGHQVLRISVADEAQVQKVKLELEDLEHLQLDFWRGP AHPGSPIDVRVPFPSIQAVKIFLESHGISYETMIEDVQSLLDEEQEQMFAFRSRARST DTFNATYHTLEEIYDFLDLLVAENPHLVSKIQIGNTYEGRIYVVKFSTGGSKRPAIWI DTGIHSREWVTQASGVWFAKKITQDYGQDAAFTAILDTLDIFLEIVTNPDGFAFTHST NRMWRKTRSHTAGSLCIGVDPNRNWDAGFGLSGASSNPCSETYRGKFANSEVEVK SIVDFVKDHGNIKAFISIHYSQLLMYPYGYKTEPVPDQDELQLSKAAVTALASLYG TKFNYGSIKAIYQASGSTIDWTYSQGIIKYSFTFELRDTGRYGFLLPASQIIPTAKETWL

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**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**

CPA1 carboxypeptidase A1 (pancreatic) [ Homo sapiens ]

**Official Symbol**

CPA1

**Synonyms**

CPA1; carboxypeptidase A1 (pancreatic); CPA; carboxypeptidase A1; pancreatic carboxypeptidase A

**Gene ID**

1357

**mRNA Refseq**

NM\_001868

**Protein Refseq**

NP\_001859

**MIM**

114850

**UniProt ID**

P15085

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