

Recombinant Human CPA1 Protein, GST-tagged

Cat. No. CPA1-1768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CPA1 full-length ORF (AAH05279, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description

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]

Molecular Mass 71.83 kDa

AA Sequence

MRGLLVLSVLLGAVFGKEDFVGHQVLRISVADEAQVQKVKLELEDLEHLQLDFWRGP
 AHPGSPIDVRVPFPSIQAVKIFLESHGISYETMIEDVQSLLEEQEQMFAFRSRARST
 DTFNYATYHTLEEIYDFDLLVAENPHLVSKIQIGNTYEGRPIYVLKFSTGGSKRPAIWI
 DTGIHSREWVTQASGVWFAKKITQDYGQDAAFTAILDTLDIFLEIVTNPDGFAFTHST
 NRMWRKTRSHTAGSLCIGVDPNRNWDAGFGLSGASSNPCSETYRGKFAENSEVEVK
 SIVDFVKDHGNIKAFISIHYSQLLMYPYGYKTEPVPDQDELQLSKAAVTALASLYG
 TKFNYGSIKAIYQASGSTIDWTYSQGIIKYSFTFELRDTGRYGFLLPASQIIPTAKETWL
 ALLTIMEHTLNHPY

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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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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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