

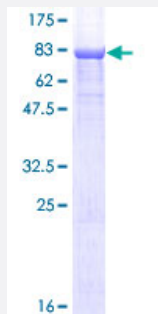
Full-Length

CPNE1 (Human) Recombinant Protein (P01)

Catalog # H00008904-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CPNE1 full-length ORF (AAH01142, 1 a.a. - 537 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAHCVTLVQLSISCDHLIDKDIGSKSDPLCVLLQDVGGGSAELGRTERVRNCSSPEFSKTLQLE
YRFETVQKLRFGYDIDNKTPELRDDDFLGGAECSLGQMSSQVLTPLMLKPGKPAGRGTTITVSAQ
ELKDNRVVTMEVEARNLDKKDFLGKSDPFLEFFRQGDGKWHLVYRSEVIKNNLNPTWKRFSVPV
QHFCGGNPSTPIQVQCSDYDSDGSHDLIGTFHTSLAQLQAVPAEFECIHPEKQQKKKSYKNSGTIR
VKICRVETEYSFLDYVMGGCQINFVGVDFGTSGNDPSSPDSLHYLSPTGVNEYLMALWSVGSV
QDYDSDKLFPAGFGAQPDPDWQVSHEFALNFNPSNPYCAGIQGVDAYRQALPQVRLYGPTNF
APIINHVARFAAQAHAHQGTASQYFMLLLLTGAVTDVEATREAVVRASNLPM SVIIVGVGGADFEA
MEQLDADGGPLHTRSGQAAARDIVQFVPYRRFQNA PREALAQT VLA EVPTQLVSYFRAQGWAPL
KPLPPSAKDPAQAPQA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.59

Interspecies Antigen Sequence

Mouse (91); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CPNE1

Entrez GeneID	8904
GeneBank Accession#	BC001142
Protein Accession#	AAH01142
Gene Name	CPNE1
Gene Alias	COPN1, CPN1, MGC1142
Gene Description	copine I
Omim ID	604205
Gene Ontology	Hyperlink
Gene Summary	Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the encoded protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. This gene and the gene for RNA binding motif protein 12 overlap at map location 20q11.21. Alternative splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq]
Other Designations	OTTHUMP00000030775 OTTHUMP00000030776 copine-1