

Full-Length

CPNE2 (Human) Recombinant Protein (P01)

Catalog # H00221184-P01

Size 25 ug, 10 ug

Applications

Specification

Product Description

Human CPNE2 full-length ORF (NP_689940.3, 1 a.a. - 548 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAHIPSGGAPAAGAAPMGPPQYCVCKVELSVSGQNLLDRDVTSKSDPFCVLFTENNGRWIEYDRT
ETAINNLNPAFSKKFVLDYHFEEVQKLKFAFDQDKSSMRLDEHDFLGQFSCSLGTIVSSKKITRP
LLLLNDKPAGKGLITIAAQELSDNRVITLSLAGRRLDKKDLFGKSDPFLEFYKPGDDGKWMLVHRT
EVIKYTLDPVWKPFTVPLVSLCDGDMKPIQVMCYDYDNDGGHDFIGEFQTSVSQMCEARDSVP
LEFECINPKKQRKKKNYKNSGIIILRSCKINRDYSFLDYILGGCQLMFTVGIDFTASNGNPLDPSSLHYI
NPMGTNEYLSAWAVGQIIQDYDSDKMFALGFGAQLPPDWKVSHEFAINFNPTNPFCSGVDGIA
QAYSACLPHIRFYGPTNFSPVNHVARFAAQATQQRATQYFILLITDGVISDMEETRHAVVQASKL
PMSIIIVGVGNADFAAMEFLDGDSTRMLRSHTGEEAARDIVQFVPFREFRNAKETLAKAVLAELPQ
QVVQYFKHKNLPPTNSEPA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.6

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 — CPNE2

Entrez GeneID[221184](#)**GeneBank Accession#**[NM_152727.4](#)**Protein Accession#**[NP_689940.3](#)**Gene Name**

CPNE2

Gene Alias

COPN2, CPN2, DKFZp686E06199, MGC16924

Gene Description

copine II

Omim ID[604206](#)**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 is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. Sequence analysis identified multiple alternatively spliced transcript variants but their full-length natures could not be determined. [provided by RefSeq]

Other Designations

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