

Recombinant Human CPNE1, His-tagged

Cat. No. CPNE1-26782TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 273-537 of Human CPNE1 with an N terminal His tag; Predicted MWt 29 kDa.
Species	Human
Source	E.coli
ProteinLength	273-537 a.a.
Description	<p>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. Alternate splicing results in multiple transcript variants encoding different proteins.</p>
Conjugation	HIS
Form	Lyophilised:Reconstitute with 141 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

SFLDYVMGGCQINFTVGVDFTGSNGDPSSPDSLHYLSPTG VNEYLMALWSVGSV
 QDYDSDKLFFPAFGFGAQVPPDWQ VSHEFALNFNPSNPYCAGIQGIVDAYRQALPQ
 VRLYGP TNFAPIINHVARFAAQAAHQGTASQYFMLLLLTDGAVT DVEATREAVVRA
 SNLPMSVIIVGVGGADFEAMEQLDADGG PLHTRSGQAAARDIVQFVPYRRFQNAPR
 EALAQTVLAE VPTQLVSYFRAQGWAPLKPLPPSAKDPAQAPQA

GENE INFORMATION

Gene Name CPNE1 copine I [Homo sapiens]

Official Symbol CPNE1

Synonyms CPNE1; copine I; copine-1; CPN1;

Gene ID 8904

mRNA Refseq NM_001198863

Protein Refseq NP_001185792

MIM 604205

Uniprot ID Q99829

Chromosome Location 20q11.22

Function calcium-dependent phospholipid binding; phosphatidylserine binding; transporter activity;

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