

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	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 141 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 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 VNEYLMALWSVGSVV QDYDSDKLFPAGFGAQPDPDWQ VSHEFALNFNPSNPYCAGIQGIVDAYRQALPQ VRLYGP TNFAPIINHVARFAAQAAHQGTASQYFMLLLLTDGAVT DVEATREAVVRA SNLPMSVIVGVGGADFEAMEQLDADGG PLHTRSGQAAARDIVQFVPYRRFQNAAPR 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;