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Datasheet for ABIN1692537
CPNE1 Protein (AA 1-537) (His tag,His tag)

Overview

Quantity:	50 µg
Target:	CPNE1
Protein Characteristics:	AA 1-537
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPNE1 protein is labelled with His tag,His tag.

Product Details

Purpose:	Recombinant Human Copine-1/CPNE1 (N, C-6His)
Sequence:	<p>MGSSHHHHHH SSSLVPRGSH MAHCVTLVQL SISCDHLIDK DIGSKSDPLC VLLQDVGGGS WAE LGRTERV RNCSSPEFSK TLQLEYRFET VQKLRFGIYD IDNKTPELRD DDFLGGAECS LGQIVSSQVL TLPLMLKPGK PAGRGTITVS AQELKDNRVV TMEVEARNLD KKDFLGKSDP FLEFFRQGDG KWHLVYRSEV IKNNLNPTWK RFSVPVQHFC GGNPSTPIQV QCSYDSDGS HDLIGTFHTS LAQLQAVPAE FECIHPEKQQ KKKSYKNSGT IRVKICRVET EYSFLDYVMG GCQINFTVGV DFTGSNGDPS SPDSLHYLSP TGVNEYLMAL WSVGSVVQDY DSKLFFAFG FGAQVPPDWQ VSHEFALNFN PSNPYCAGIQ GIVDAYRQAL PQVRLYGPTN FAPIINHVAR FAAQAAHQGT ASQYFMLLLL TDGAVTDVEA TREAVVRASN LPMSVIVGV GGADFEAMEQ LDADGGPLHT RSGQAAARDI VQFVPYRRFQ NAPREALAQT VLAEVPTQLV SYFRAQGWAP LKPLPPSAKD PAQAPQALEH HHHHH</p>
Characteristics:	Recombinant Human Copine-1/CPNE1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ala537) of Human CPNE1 fused with a 6His

Product Details

tag at the N-terminus and a 6His tag at the C-terminus.

Purity: > 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Endotoxin Level: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target: CPNE1

Alternative Name: CPNE1 ([CPNE1 Products](#))

Sub Type: Fusionprotein

Background: Copine-1(CPNE1) encodes a calcium-dependent protein which belongs to the copine family. CPNE1 contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, CPNE1 does not contain a predicted signal sequence or transmembrane domains. CPNE1 may regulate molecular events at the interface of the cell membrane and cytoplasm. CPNE1 has a broad tissue distribution and it may function in membrane trafficking.

Alternative Names: Copine-1, Copine I, CPN1, CPNE1

Molecular Weight: 62.2 kDa

UniProt: [Q99829](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Handling

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 5 months