



Recombinant Human Copine-1 (CPNE1)

Product Code	CSB-EP859524HU-B
Abbreviation	CPNE1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99829
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAHCVTLVQL SISCDHLIDK DIGSKSDPLC VLLQDVGGGS WAELGRTERV RNCSSPEFSK TLQLEYRFET VQKLRFGIYD IDNKTPELRD DDFLGGAECS LGQIVSSQVL TLPLMLKPGK PAGRGTITVS AQELKDNRVV TMEVEARNLD KKDFLGKSDP FLEFFRQGDG KWHLVYRSEV IKNNLNPTWK RFSVPVQHFC GGNPSTPIQV QCSDYDSGGS HDLIGTFHTS LAQLQAVPAE FECIHPEKQQ KKKSYKNSGT IRVKICRVET EYSFLDYVMG GCQINFTVGV DFTGSNGDPS SPDSLHYLSP TGVNEYLMAL WSVGSVVQDY DSDKLFPAFG FGAQVPPDWQ VSHEFALNFN PSNPYCAGIQ GIVDAYRQAL PQVRLYGPTN FAPIINHVAR FAAQAAHQGT ASQYFMLLLL TDGAVTDVEA TREAVVRASN LPMSVIIVGV GGADFEAMEQ LDADGGPLHT RSGQAAARDI VQFVPYRRFQ NAPREALAQT VLAEVPTQLV SYFRAQGWAP LKPLPPSAKD PAQAPQA
Source	E.coli
Target Names	CPNE1
Protein Names	Recommended name: Copine-1 Alternative name(s): Copine I
Expression Region	1-537
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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