



Recombinant Human PRKCA-binding protein (PICK1)

Product Code	CSB-EP878865HU
Abbreviation	PICK1
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.	Q9NRD5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MFADLDYDIE EDKLGIPVTP GKVTLQKDAQ NLLGISIGGG AQYCPCLYIV QVFDNTPAAL DGTVAAGDEI TGVNGRSIKG KTKVEVAKMI QEVKGEVTIH YNKLQADPKQ GMSLDIVLKK VKHRLVENMS SGTADALGLS RAILCNDGLV KRLEELERTA ELYKGMTEHT KNLLRAFYEL SQTHRAFGDV FSVIGVREPQ PAASEAFVKF ADAHRSIEKF GIRLLKTIKP MLTDLNNTYLN KAIPDTRLTI KKYLDVKFEY LSYCLKVKEM DDEEYSCIAL GEPLYRVSTG NYEYRLILRC RQEARARFSQ MRKDVLEKME LLDQKHVQDI VFQLQRLVST MSKYYNDCYA VLRDADVFPV EVDLAHTTLA YGLNQEEFTD GEEEEEEEDT AAGEPSRDTR GAAGPLDKGG SWCDS
Source	E.coli
Target Names	PICK1
Protein Names	Recommended name: PRKCA-binding protein Alternative name(s): Protein interacting with C kinase 1 Protein kinase C-alpha-binding protein
Expression Region	1-415
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	This protein contains a PDZ domain, through which it interacts with protein kinase C, alpha (PRKCA). This protein may function as an adaptor that binds to and organizes the subcellular localization of a variety of membrane proteins. It has been shown to interact with multiple glutamate receptor subtypes, monoamine plasma membrane transporters, as well as non-voltage gated sodium channels, and may target PRKCA to these membrane proteins and thus regulate their distribution and function. This protein has also been found to act as an anchoring protein that specifically targets PRKCA to mitochondria in a ligand-specific manner. Three transcript variants encoding the same protein



have been found for this gene.

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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