



# Recombinant Human PRKCA-binding protein (PICK1)

<b>Product Code</b>	CSB-MP878865HU
<b>Abbreviation</b>	PICK1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9NRD5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MFADLDYDIE EDKLGIPVTP GKVTLQKDAQ NIGISIGGG AQYCPCLYIV QVFDNTPAAL DGTVAAGDEI TGVNGRSIKG KTKVEVAKMI QEVKGEVTIH YNKLQADPKQ GMSLDIVLKK VKHRLVENMS SGTADALGLS RAILCNDGLV KRLEELERTA ELYKGMTEHT KNLLRAFYEL SQTHRAFGDV FSVIGVREPQ PAASEAFVKF ADAHRSIEKF GIRLLKTIKP MLTDLNTYLN KAIPDTRLTI KKYLDVKFEY LSYCLVKEM DDEEYSCIAL GEPLYRVSTG NYEYRLILRC RQEARARFSQ MRKDVLEKME LLDQKHVQDI VFQLQRLVST MSKYNDACYA VLRDADVFPPI EVDLAHTTLA YGLNQEEFTD GEEEEEEEDT AAGEPSRDTR GAAGPLDKGG SWCDS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PICK1
<b>Protein Names</b>	Recommended name: PRKCA-binding protein Alternative name(s): Protein interacting with C kinase 1 Protein kinase C-alpha-binding protein
<b>Expression Region</b>	1-415
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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