

Datasheet for ABIN7554926
PICK1 Protein (AA 1-415) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PICK1
Protein Characteristics:	AA 1-415
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PICK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PICK1 Protein expressed in mammalian cells.
Sequence:	MFADLDYDIE EDKLG IPTVP GKVTLQKDAQ N LIGISIGGG AQYCPCLYIV QVFDNTPAAL DGTVAAGDEI TGVNGRSIKG KTKVEVAKMI QEVKGEVTIH YNKLQADPKQ GMSLDIVLKK VKHRLVENMS SGTADALGLS RAILCNDGLV KRLEELERTA ELYKGMTEHT KNLLRAFVEL SQTHRAFGDV FSVIGVREPQ PAASEAFVKF ADAHRSIEKF GIRLLKTIKP MLTDLNTYLN KAIPDTRLTI KKYLDVKFEY LSYCLKVKEM DDEEYSCIAL GEPLYRVSTG NYEYRLILRC RQEARARFSQ MRKDVLEKME LLDQKHVQDI VFQLQRLVST MSKYYNDCYA VLRDADVFPI EVDLAHTTLA YGLNQEEFTD GEEEEEEEDT AAGEPSRDTR GAAGPLDKGG SWCDS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

PICK1

Alternative Name:

PICK1 ([PICK1 Products](#))

Background:

PRKCA-binding protein (Protein interacting with C kinase 1) (Protein kinase C-alpha-binding protein),FUNCTION: Probable adapter protein that bind to and organize the subcellular localization of a variety of membrane proteins containing some PDZ recognition sequence. Involved in the clustering of various receptors, possibly by acting at the receptor internalization level. Plays a role in synaptic plasticity by regulating the trafficking and internalization of AMPA receptors. May be regulated upon PRKCA activation. May regulate ASIC1/ASIC3 channel. Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2/3 complex, the function is competitive with nucleation promoting factors and is linked to neuronal morphology regulation and AMPA receptor (AMPA) endocytosis. Via interaction with the Arp2/3 complex involved in regulation of synaptic plasticity of excitatory synapses and required for spine shrinkage during long-term depression (LTD). Involved in regulation of astrocyte morphology, antagonistic to Arp2/3 complex activator WASL/N-WASP function. {ECO:0000269|PubMed:20403402}.

Target Details

Molecular Weight: 46.6 kDa

UniProt: [Q9NRD5](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months