

Product information

PICK1, 1-415aa

Human, His-tagged, Recombinant, *E.coli*

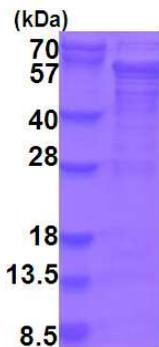
Cat. No. IBATGP2927

Full name: PRKCA-binding protein

NCBI Accession No.: NP_001034673

Synonyms: Protein interacting with PRKCA 1, PICK, PRKCABP

Description: PICK1 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. PICK1 has also been found to act as an anchoring protein that specifically targets PRKCA to mitochondria in a ligand-specific manner. Recombinant human PICK1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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| <p>Form: Liquid, In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT</p> <p>Molecular Weight: 49.0 kDa (438aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)</p> <p>Purity: > 85 % by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p> |  |
| <p>Sequences of amino acids:</p> <pre> MGSSHHHHH SSGLVPRGSH MGSMFADLDY DIEEDKLGIP TVPGKVTLQK DAQNLI GISI GGGAQYCPCL YIVQVFNTP AALDGTVAAG DEITGVNGRS IKGKTKVEVA KMIQEVKGEV TIHYNKLQAD PKQGMSLDIV LKKVKHRLVE NMSSGTADAL GLSRAILCND GLVKRLEELE RTAELYKGMT EHTKNLLRAF YELSQTTHRAF GDVFSVIGVR EPQPAASEAF VKFADAHRSI EKFGIRLLKT IKPMLTDLNT YLNKAIPDTR LTIKKYL DVK FEYLSYCLKV KEMDDEEYSC IALGEPYRV STGNYEYRLI LRCRQEARAR FSQMRKDVLE KMELLDQKHV QDIVFQLQRL VSTMSKYYND CYAVLRDADV FPIEVDLAHT TLAYGLNQEE FTDGEEEEEE EDTAAGEPSR DTRGAAGPLD KGGSWCDS </pre> | |

General references:

Shao X., *et al.* (2010) *Neurochem. Int.* 56:962-970.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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