

PICK1, 1-415aa, Human, His tag, E.coli

Cat.NO.: TP03404

3th Edition

Synonyms:PRKCA-binding protein, 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.

Form:Liquid, In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT

Molecular Weight:49.0 kDa (438aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMFADLDYDIEEDKLGIP TVPGKVT LQKDAQNLIGISIGGGAQYCPCLYIVQVF
DNTPAALDGTVAAGDEITGVNGRSIKGKTKVEVAKMIQEVKGEVTIHYNKLQADPKQGM SLDIVLKKVKHRLVENMS
SGTADALGLSRAILCNDGLVKRLEELERTAELYKGMTEHTKNLLRAFYE LSQTHRAFGDVFSVIGVREPQPAASEAF
VKFADAHR SIEKFGIRLLKTIK PMLTDLNTYLNKAIPDTRLTIKKYLDVKFEYLSYCLKVKEMDDEEYSCIALGEPLYRV
STGNYEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDIVFQLQRLVSTMSKYYNDCYAVLRDADVFP I EVD
LAHTTLAYGLNQEEFTDGE EEEEEEDTAAGEPSRDTRGAAGPLDKGGSWCDS

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.