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**Product Data Sheet**


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Product Name: PICK1 Human  
 Cat. No.: GP22582  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein Interacting With PRKCA 1; PRKCABP; Protein Kinase C-Alpha-Binding Protein; Protein Interacting With C Kinase 1; Protein Kinase C; Alpha Binding Protein; Protein Interacting With PRKCA; PRKCA-Binding Protein; PICK; PRKCA-binding protein.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSMFADLDYDIEEDKLGIP TVPGKVTLQK DAQNLIGISI GGGAQYCPCL YIVQVFDNTP AALDGTVAAG DEITGVNGRSIKGKTKVEVA KMIQEVKGEV TIHYNKLQAD PKQGMSLDIV LKKVKHRLVE NMSSGTADAL GLSRAILCNDGLVKRLEELE RTAELYKGMT EHTKNLLRAF YELSQTHRAF GDVFSVIGVR EPQPAASEAF VKFADAHRSIEKFGIRLLKT IKPMLTDLNT YLNKAIPDTR LTIKKYLDVK FEYLSYCLKV KEMDDEEYSC IALGEPLYRVSTGNYEYRLI LRCRQEARAR FSQMRKDVLE KMELLDQKHV QDIVFQLQRL VSTMSKYYND CYAVLRDADVFPPIEVDLAHT TLAYGLNQEE FTDGEEEEEE EDTAAGEPSR DTRGAAGPLD KGGSWCDS.		
Formulation	PICK1 protein solution (0.25mg/ml) containing Phosphatebuffered saline (pH7.4), 30% glycerol and 1mM DTT.		

**Introduction**

Protein Interacting with PRKCA 1, also known as PICK1 includes a PDZdomain, through which it interacts with protein kinase C, alpha (PRKCA). PICK1 performs as an adaptor which binds to and arranges the subcellular localization of various membrane proteins. PICK1 interacts with multiple glutamate receptor subtypes, monoamine plasma membrane transporters, in addition to non-voltagegated sodium channels, and might target PRKCA to these membrane proteins and therefore regulates their distribution as well as function. PICK1 has also been found to perform as an anchoring protein which

**Caution: Product has not been fully validated for medical applications. For research use only.**

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particularly targets PRKCA to mitochondria in a ligand-specific manner.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

PICK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 438 amino acids (1-415 a.a) and having a molecular mass of 49.0kDa.

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