

Product datasheet for PH322869

PICK1 (NM_012407) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PICK1 MS Standard C13 and N15-labeled recombinant protein (NP_036539)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222869
Predicted MW:	46.6 kDa
Protein Sequence:	>RC222869 protein sequence Red=Cloning site Green=Tags(s)

MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPCLYIVQVFDNTPAALDGTVAAGDEI
TGVNGRSIKGKTKVEVAKMIQEYKGEVTIHYNKLQADPKQGMSLDIVLKKVKHRLVENMSSGTADALGLS
RAILCNDGLVKRLEELERTAELYKGMTEHTKNLLRAFYELSQTHRAFGDVF SVIGVREPQPAASEAFVKF
ADAHRSIEKFGIRLLKTIKPLTDLNLYLNKAIPDTRLTIKKYLDVKFEYLSYCLKVKEMDDEEYSICAL
GEPLYRVSTGNYEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDIVFQLQRLVSTMSKYYNDCYA
VLRDADVPFIEVDLAHTTLAYGLNQEEFTDGEEEEEEDTAAGEPSRDTRGAAGPLDKGGSWCDS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036539
RefSeq Size:	2224
RefSeq ORF:	1245
Synonyms:	PICK; PRKCABP
Locus ID:	9463



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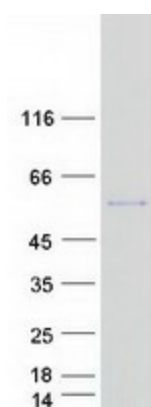
UniProt ID: [Q9NRD5](#), [A0A024R1J5](#)

Cytogenetics: 22q13.1

Summary: The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PICK1 protein (Cat# [TP322869]). The protein was produced from HEK293T cells transfected with PICK1 cDNA clone (Cat# [RC222869]) using MegaTran 2.0 (Cat# [TT210002]).