

Recombinant Full Length Human PICK1 Protein, GST-tagged

Cat. No. PICK1-6807HF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human PICK1 Full-Length ORF Protein (1-415 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 415 amino acids

Description 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.

Form 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Molecular Mass 73 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPCLYIVQVFDNTPAA LDGTVAAGDEITGVNGRSIKGKTKVEVAKMIQEVKGEVTIHYNKLQADPKQGMSLDI VLKKVKHRLVENMSSGTADALGLSRAILCNDGLVKRLEELERTAELYKGMTEHTKNL LRAFYELSQTHRAFGDVFSVIGVREPQPAASEAFVKFADAHRSEIKFGIRLLKTIKPMML TDLNTYLNKAIPDTRLTIKKYLDVKFEYLSYCLVKEMDDEEYSCIALGEPLYRVSTGN YEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDIVFQLQRLVSTMSKYND CYAVLRDADVFPIDVLAHTTLAYGLNQEEFTDGEEDTAAGEPSRDTRGAA GPLDKGGSWCDS
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PICK1 protein interacting with PRKCA 1 [Homo sapiens (human)]
Official Symbol	PICK1
Synonyms	MGC15204; PICK; PRKCABP;
Gene ID	9463
mRNA Refseq	NM_012407
Protein Refseq	NP_036539
MIM	605926



UniProt ID

Q9NRD5

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