

Product datasheet for PH307809

PRKAR1B (NM_002735) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRKAR1B MS Standard C13 and N15-labeled recombinant protein (NP_002726)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207809
Predicted MW:	43.1 kDa
Protein Sequence:	>RC207809 protein sequence Red=Cloning site Green=Tags(s)
	MASPPACPSEEDSLKGCELYVQLHGIQQVLKDCIVHLCISKPERPMKFLREHFKELEKEENRQILARQK SNSQSDSHDEEVSPTPPNPVVKARRRRGGVSAEVYTEEDAVSYVRKVIIPKDYKTMTALAKAISKNVLF LDDNERSDIFDAMFPVTHIAGETVIQQGNEGDNFYVVDQGEVDVYVNGEWTNISEGGSFELALYIGTP RAATVKAKTDLKLGIDRDSYRRILMGSTLRKRKMYEFLSKVSILESLEKWERLTVADALEPVQFEDGE KIVVQGEPEGDDFYIITEGTASVLQRRSPNEEYVEVGRGSPDYFGEIALLLNRPRAAATVVARGLKCVKL DRPRFERVLGPCSEILKRNIQRYNSFISLTV
	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:	<u>NP_002726</u>
RefSeq Size:	2512
RefSeq ORF:	1143
Synonyms:	PRKAR1
Locus ID:	5575



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UniProt ID: [P31321](#)

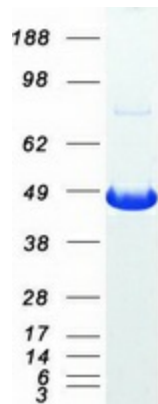
Cytogenetics: 7p22.3

Summary: The protein encoded by this gene is a regulatory subunit of cyclic AMP-dependent protein kinase A (PKA), which is involved in the signaling pathway of the second messenger cAMP. Two regulatory and two catalytic subunits form the PKA holoenzyme, disbands after cAMP binding. The holoenzyme is involved in many cellular events, including ion transport, metabolism, and transcription. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2015]

Protein Families: Druggable Genome

Protein Pathways: Apoptosis, Insulin signaling pathway

Product images:



Coomassie blue staining of purified PRKAR1B protein (Cat# [TP307809]). The protein was produced from HEK293T cells transfected with PRKAR1B cDNA clone (Cat# [RC207809]) using MegaTran 2.0 (Cat# [TT210002]).