

Recombinant Human PRKAR1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRKAR1B-4392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRKAR1B MS Standard C13 and N15-labeled recombinant protein (NP_002726) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	43.1 kDa
AA Sequence	MASPPACPSEEDSLKGCELYVQLHGIQQVLKDCIVHLCISKPERPMKFLREHFEKL EKEENRQILARQKSNSQSDSHDEEVSPTPNPVVKARRRRGGVSAEVYTEEDAVSY VRKVIPKDYKTMTALAKAISKNVLF AHLDDNERSDIFDAMFPVTHIAGETVIQQGNEG DNFYVVDQGEVDVYVNGEWTNISEGGSFGELALIYGTPRAATVKA KTDLKLWGID RDSYRRILMGSTLRKRKMYEEFLSKVSILESLEKWERLTVADALEPVQFEDGEKIVV QGEPGDDFYIITEGTASVLQRRSPNEEYVEVGRLGPSDYFGEIALLNRPRAATVVA RGPLKCVKLD RPRFERVLGPCSEILKRNIQRYNSFISLTVTRTRPLEQKLISEEDLAAN

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DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PRKAR1B protein kinase cAMP-dependent type I regulatory subunit beta [Homo sapiens (human)]
Official Symbol	PRKAR1B
Synonyms	PRKAR1B; protein kinase, cAMP-dependent, regulatory, type I, beta; cAMP-dependent protein kinase type I-beta regulatory subunit; PRKAR1;
Gene ID	5575
mRNA Refseq	NM_002735
Protein Refseq	NP_002726
MIM	176911

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