

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

MASPPACPSEEDESLKGCELYVQLHGIQQVLKDCIVHLCISKPERPMKFLREHFEKL
EKEENRQILARQKSNSQSDSHDEEVSPTPPNPVVKARRRRGGVSAEVYTEEDAVSY
VRKVIPKDYKTMTALAKAISKNVLF AHLDDNERSDIFDAMFPVTHIAGETVIQQGNEG
DNFYVVDQGEVDVYVNGEWVTNISEGGSFGELALIYGT PRAATVKAKTDLKLGID
RDSYRRILMGSTLRKRKMYEEFLSKVSILESLEKWERLTVADALEPVQFEDGEKIVV
QGEPGDDFYIITEGTASVLQRRSPNEEYVEVGR LGPSDYFGEIALLNR PRAATVVA
RGPLKCVKLD RPRFERVLGPCSEILKRNIQRYNSFISLTVTRTRPLEQKLISEEDLAN

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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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UniProt ID

P31321

SDS-PAGE



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