

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

Cat. No. PRKACB-2407H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

PRKACB MS Standard C13 and N15-labeled recombinant protein (NP_002722) 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 member of the serine/threonine protein kinase family. The encoded protein is a catalytic subunit of cAMP (cyclic AMP)-dependent protein kinase, which mediates signalling through cAMP. cAMP signaling is important to a number of processes, including cell proliferation and differentiation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.

Molecular Mass

40.6 kDa

AA Sequence

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MGNAATAKKGSEVESVKEFLAKAKEDFLKKWENPTQNNAGLEDFERKKTLLGTGSF
GRVMLVKHKATEQYYAMKILDKQKVVKLKQIEHTLNEKRILQAVNFPFLVRLEYAFKD
NSNLYMVM EYVPGGEMFSLRRI RGFSEPHARFYAAQIVLTFEYLNSLDIIYRDLKPE
NLLIDHQGYIQVTDGFGFAKRVKGRWTWLCGTPEYLAPEIILSKGYNKAVDWWALGVLI
YEMAAGYPPFFADQPIQIYEKIVSGKVRFP SNFSSDLKDLLRNLLQVDLTKRFGNLKN
GVSDIKTHKWFATTDWIAIYQRKVEAPFIPKFRGSGDTSNFDDYEEEDIRVSITEKCA
KEFGFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

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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	PRKACB protein kinase cAMP-activated catalytic subunit beta [Homo sapiens (human)]
Official Symbol	PRKACB
Synonyms	PRKACB; protein kinase, cAMP-dependent, catalytic, beta; cAMP-dependent protein kinase catalytic subunit beta; PKACb; PKA C-beta; protein kinase A catalytic subunit beta; cAMP-dependent protein kinase catalytic beta subunit isoform 4ab; PKACB; MGC9320; MGC41879; DKFZp781I2452;
Gene ID	5567
mRNA Refseq	NM_002731
Protein Refseq	NP_002722
MIM	176892

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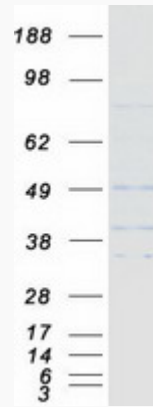
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UniProt ID

P22694

SDS-PAGE



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