

Product datasheet for PH307218

PRKACB (NM_002731) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRKACB MS Standard C13 and N15-labeled recombinant protein (NP_002722)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207218
Predicted MW:	40.6 kDa
Protein Sequence:	>RC207218 protein sequence Red=Cloning site Green=Tags(s)
	<p>MGNAATAKKGSEVESVKEFLAKAKEDFLKWKWENPTQNNAGLEDFERKKTGTGSGFGRVMLVKHKATEQYY AMKILDQKQVVKLKQIEHTLNEKRILQAVNFPFLVRLEYAFKDNSLYMVMYVPGGEMFSLRRIGRFS EPHARFYAAQIVLTFEYLNSLDIIYRDLKPENLLIDHQGYIQVTDFGFAKRVKGRWTLCGTPEYLAPEI ILSKGYNAVDWWALGVL IYEMAAGYPPFFADQPIQIYEKIVSGKVRFPSNFSSDLKDLLRNLLQVDLTK RFGNLKNGVSDIKTHKWFATTDWIAIYQRKVEAPFIPKFRGSGDTSNFDDYEEEDIRVSITEKCAKEFGE F</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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:	NP_002722
RefSeq Size:	4616
RefSeq ORF:	1053
Synonyms:	CAFD2; PKA C-beta; PKACB
Locus ID:	5567



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UniProt ID: [P22694](#), [B2RB89](#)

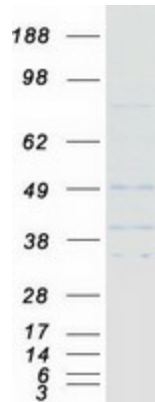
Cytogenetics: 1p31.1

Summary: 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. [provided by RefSeq, Jul 2014]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Apoptosis, Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Hedgehog signaling pathway, Insulin signaling pathway, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Olfactory transduction, Oocyte meiosis, Prion diseases, Progesterone-mediated oocyte maturation, Taste transduction, Vascular smooth muscle contraction, Vibrio cholerae infection, Wnt signaling pathway

Product images:



Coomassie blue staining of purified PRKACB protein (Cat# [TP307218]). The protein was produced from HEK293T cells transfected with PRKACB cDNA clone (Cat# [RC207218]) using MegaTran 2.0 (Cat# [TT210002]).