

Recombinant Human Protein Kinase C, Beta, GST-tagged

Cat. No. PRKCB-1302H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman full length PRKCB with N-terminal GST tag was expressed in Sf9 insectcells.
Species	Human
Source	Sf9 Cells
Description	PRKCB isa member of the protein kinase C (PKC) family of serine- andthreonine-specific protein kinases that can be activated by calcium andsecond messenger diacylglycerol and phosphorylate a wide variety of proteintargets known to be involved in diverse cellular signaling pathways. PRKCBhas been reported to be involved in many different cellular functions such asB-cell activation, apoptosis induction, endothelial cell proliferation, andintestinal sugar absorption.
Form	Liquid in50 mM Tris-HCl, pH 7.5 + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mMEDTA + 0.1 mM PMSF + 25% glycerol.
Molecular Weight	~ 150 kDa
Purity	> 90% asdetermined by densitometry
Concentration	0.1 mg/ml
Specific Activity	368nmol/min/mg

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Stablefor 1 year in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		
OfficialSymbol	PRKCB		
nullValue_other	Function	nucleotide binding; proteinbinding; protein kinase activity; protein serine/threonine kinase activity; zincion binding; metal ion binding; histone kinase activity (H3-T6 specific); enzymebinding; ATP binding	
Full Length	Full L.		
GENE INFORMATION			
Gene Name	PRKCB protein kinase C, beta [Homosapiens]		
Synonyms	PRKCB; proteinkinase C, beta; PKCB; PRKCB1; PRKCB2; MGC41878; PKC-beta; proteinkinase C, beta 1; OTTHUMP00000162377; OTTHUMP00000162378; Protein kinase C, betatype; PKC-B;EC 2.7.11.13; protein kinase C, beta 1 polypeptide		
Gene ID	5579		
mRNA Refseq	NM_002738		
Protein Refseq	NP_002729		
MIM	176970		
UniProt ID	P05771		
Chromosome Location	16p12		

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Pathway

African trypanosomiasis; Aldosterone-regulated sodium reabsorption; Alpha6-Beta4 Integrin Signaling Pathway; Amoebiasis; Ca-dependent events; CaM pathway; Calcium Regulation in the Cardiac Cell; Calcium signaling pathway; Calmodulin induced events; Canonical NF-kappaB pathway; Cholinergic synapse; DAG and IP3 signaling; Disinhibition of SNARE formation; Dopaminergic synapse

**Rendering based
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