

Recombinant Mouse Phkg1 Protein, Myc/DDK-tagged

Cat. No. Phkg1-4839M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphorylase kinase gamma 1 (Phkg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3.
Molecular Mass	45.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Phkg1 phosphorylase kinase gamma 1 [Mus musculus (house mouse)]
Official Symbol	Phkg1
Synonyms	PHKG1; phosphorylase kinase gamma 1; phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform; phosphorylase kinase subunit gamma-1; Phosphorylase B kinase gamma catalytic chain, skeletal muscle isoform (Phosphorylase kinase gamma subunit 1); Phkg
Gene ID	18682
mRNA Refseq	NM_011079
Protein Refseq	NP_035209
UniProt ID	P07934

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