



# Recombinant Rat Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform (Phkg1)

<b>Product Code</b>	CSB-MP318342RA
<b>Storage</b>	The shelf life of liquid-form form is 6 months around at -20°C/-80°C. The shelf life of lyophilized form is 12 months around at -20°C/-80°C.
<b>Uniprot No.</b>	P13286
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	TRDEALPDS HSAQNFYENY EPKEILGRGV SSVVRCIHK PTCQEYAVKI IDITGGGSFS SEEVQELREA TLKEVDILQK VSGHPNIIQL KDTYETNTFF FLVFDLMKRG ELFDYLTEKV TLTEKETRKI MRALLEVVCT LHKLNIVHRD LKPENILLDD NMNIKLTDFG FSCQLQPGEK LREVCGTPSY LAPEIIQCSM DEGHPGYGKE VDMWSTGVIM YTLLAGSPPF WHRKQMLMLR MIMDGKYQFG SPEWDDYSdT VKDLVSRFLV VQPQDRCSAE EALAHPPFFQE YVVEEV RHFS PRGKFKVICL TVLASVRIYY QYRRVKPVTR EIVIRDPYAL RPLRRLIDAY AFRIYGHWVK KGQQQNRAAL FENTPKAVLL SLAEEEDF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Phkg1
<b>Protein Names</b>	Recommended name: Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform EC= 2.7.11.19 Alternative name(s): Phosphorylase kinase subunit gamma-1
<b>Expression Region</b>	2-388
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene is a member of the Ser/Thr protein kinase family and encodes a protein with one protein kinase domain and two calmodulin-binding domains. This protein is the catalytic member of a 16 subunit protein kinase complex which contains equimolar ratios of 4 subunit types. The complex is a crucial glycogenolytic regulatory enzyme. This gene has two pseudogenes at chromosome 7q11.21 and one at chromosome 11p11.12.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.