



Recombinant Human Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform (PHKG1)

Product Code	CSB-EP621972HU-B
Abbreviation	PHKG1
Storage	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.
Uniprot No.	Q16816
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	TRDEALPDS HSAQDFYENY EPKEILGRGV SSVVRRCIHK PTSQEYAVKV IDVTGGGSFS PEEVRELREA TLKEVDILRK VSGHPNIIQL KDTYETNTFF FLVFDLMKRG ELFDYLTEKV TLSEKETRKI MRALLEVICT LHKLNIVHRD LKPENILLDD NMNIKLTDFG FSCQLEPGER LREVCGTPSY LAPEIIICSM NEDHPGYGKE VDMWSTGVIM YTLLAGSPPF WHRKQMLMLR MIMSGNYQFG SPEWDDYSDT VKDLVSRFLV VQPQNRYTAE EALAHPPFFQQ YLVEEVRFHS PRGKFKVIAL TVLASVRIYY QYRRVKPVTR EIVIRDPYAL RPLRRLIDAY AFRIYGHWVK KGQQQNRAAL FENTPKAVLL SLAEEDY
Source	E.coli
Target Names	PHKG1
Protein Names	Recommended name: Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform EC= 2.7.11.19 Alternative name(s): Phosphorylase kinase subunit gamma-1
Expression Region	2-387
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.

**Reconstitution**

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.