

Recombinant Human PHKG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PHKG1-478H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PHKG1 MS Standard C13 and N15-labeled recombinant protein (NP_006204) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	45 kDa
AA Sequence	MTRDEALPDSHSAQDFYENYEPKEILGRGVSSVVRRCIHKPTSQEYAVKVIDVTGGG SFSPEEVRELREATLKEVDILRKVSGHPNIIQLKDTYETNTFFFLVFDLMKRGELFDYL TEKVTLSKETRKIMRALLEVICTLHKLNIIVHRDLKPENILLDDNMNIKLTDGFGSCQLE PGERLREVCGTPSYLAPEIIECSMNEDHPGYGKEVDMWSTGVIMYTLLAGSPPFWH RKQMLMLRMIMSGNYQFGSPEWDDYSDTVKDLVSRFLVQPNRYTAAEALAHPF FQQYLVEEVRHFSPRGKFKVIALTVLASVRIYYQYRRVKPVTREIVIRDPYALRPLRRL

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IDAYAFRIYGHVKKGQQNRAALFENTPKAVLLSLAEEDYTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PHKG1 phosphorylase kinase catalytic subunit gamma 1 [Homo sapiens (human)]

Official Symbol PHKG1

Synonyms PHKG1; phosphorylase kinase, gamma 1 (muscle); PHKG; phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform; phosphorylase kinase gamma; phosphorylase kinase subunit gamma-1;

Gene ID 5260

mRNA Refseq NM_006213

Protein Refseq NP_006204

MIM 172470

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UniProt ID

Q16816

SDS-PAGE

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