

Recombinant Human ADPGK protein, GST-tagged

Cat. No. ADPGK-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADPGK(148-497aa) fused with GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	148-497 a.a.
Description	ADPGK (EC 2.7.1.147) catalyzes the ADP-dependent phosphorylation of glucose to glucose-6-phosphate and may play a role in glycolysis, possibly during ischemic conditions (Ronimus and Morgan, 2004 [PubMed 14975750]).
Form	Protein lyophilized in sterile PBS (58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, 100 mM GSH, pH 8.0) and 10% glycerol.
AA Sequence	EFPGAQHYVGGNAALIGQKFAANSCLKVLLCGPVGPKLHELLDDNVFVPPELQEV DEFHLILEYQAGEEWGQLKAPHANRFIFSHDLSNGAMNMLEVFVSSLEEFQPDLVVL SGLHMMEGQSKELQRKRLLLEVVTSSIDIPTGIPVHLELASMTNRELMSSIVHQVFPFA VTSLGLNEQELLFLTQSASGPHSSLSSWNGVPDVGMMVSDILFWILKEHGRSKSRAS DLTRIHFHFTLVYHILATVDGHWANQLAAVAAGARVAGTQACATETIDTSRVSLRAPQ EFMTSHSEAGSRIVLNPKNPVVEWHREGISFHFTPVLVCKDPIRTVGLGDAISAEGLF YSEVHPHY
Storage	Aliquot and store at -20 centigrade to -80 centigrade for up to 6 months. Avoid freeze

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thaw cycles.

GENE INFORMATION

Gene Name	ADPGK ADP-dependent glucokinase [Homo sapiens]
Official Symbol	ADPGK
Synonyms	ADPGK; ADP-dependent glucokinase; ADP GK; DKFZp434B195; rbBP-35; ATP-dependent glucokinase; ADP-GK; 2610017G09Rik;
Gene ID	83440
mRNA Refseq	NM_031284
Protein Refseq	NP_112574
MIM	611861
UniProt ID	Q9BRR6
Chromosome Location	15q24.1
Pathway	Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	ADP-specific glucokinase activity; metal ion binding; transferase activity;

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