

## Recombinant Human ADPGK protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ADPGK(148-497aa) fused with GST tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	148-497 a.a.
<b>Description</b>	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]).
<b>Form</b>	Protein lyophilized in sterile PBS (58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, 100 mM GSH, pH 8.0) and 10% glycerol.
<b>AA Sequence</b>	<p>EFPGAQHYVGGNAALIGQKFAANSDLKVLCCGPGPKLHELLDDNVFVPPELQEV  DEFHLILEYQAGEEWGQLKAPHANRFIFSHDLSNGAMNMLEVFVSSLEEFQPDLVVL  SGLHMMEGQSKELQRKRLLLEVVTSSIDIPTGIPVHLELASMTNRELMSSIVHQQVFPA  VTSLGLNEQELLFLTQSASGPHSSLSSWNGVPDVGMMVSDILFWILKEHGRSKSRAS  DLTRIHFHFTLVYHILATVDGHWANQLAAVAAGARVAGTQCACATETIDTSRVSLRAPQ  EFMTSHSEAGSRIVLNPKNPVVEWHREGISFHFTPVLVCKDPIRTVGLGDAISAEGLF  YSEVHPHY</p>
<b>Storage</b>	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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