

Recombinant Human ADPGK protein, GST-tagged

Cat. No. ADPGK-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADPGK(1 a.a. - 497 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-497 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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	80.5 kDa
AA Sequence	MALWRGSAYAGFLALAVGCVFLLEPELPGSALRSLWSSLCLGPAPAPPGPVSPTEGR LAAAWDALIVRPVRRWRRVAVGVNACVDVVLSGVKLLQALGLSPGNKGDHSILHSR NDLEEAFIHFMGKGAAAERFFSDKETFHDIAQVASEFPGAQH YVGGNAALIGQKFAA NSDLKVLLCGPVGPKLHELLDDNVFVPPELQEVDEFHLILEYQAGEEWGQLKAPHA NRFIFSHDLSNGAMNMLEVFVSSLEEFQPDLVVLSGLHMMEGQSKELQRKRLLVV TSISDIPTGIPVHLELASMTNRELMSSIVHQQVFPVAVTSLGLNEQELLFLTQSASGPHS SLSSWNGVPDVGVMVSDILFWILKEHGRSKSRASDLTRIFHTLVYHILATVDGHWAN QLAAVAAGARVAGTQACATETIDTSRVSLRAPQEFMTSHSEAGSRIVLNPKNKPVVE

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	WHREGISFHFTPVLVCKDPIRTVGLGDAISAEGLFYSEVHPHY
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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 /

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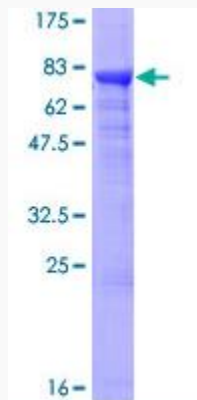
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Gluconeogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

ADP-specific glucokinase activity; metal ion binding; transferase activity;



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