

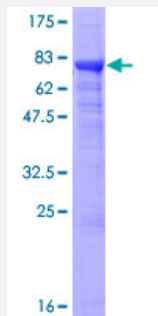
Full-Length

ADPGK (Human) Recombinant Protein (P01)

Catalog # H00083440-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADPGK full-length ORF (AAH06112.1, 1 a.a. - 497 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALWRGSAYAGFLALAVGCVFLLEPELPGSALRSLWSSLC LGPAPAPPGPV SPEGR LAAAWDA
LVRPVRWRVRVAVGVNACVDVVL SGVKLLQALGLSPGNKGDHSILHSRNDLEEAFIHF MGKGAA
AERFFSDKETFH DIAQVASEFPGAQHYVGGNAALIGQKFAANS DLKVLLCGPVGPKLHELLDDNV
FVPPE SLQEVD E FHLILEYQAGEEWGQLKAPHANRFIFSHDLSNGAMNM LEV FVSSLEEFQPD L
VVL SGLHMMEGQSKELQRKR LLEVVT S ISDIPTGIPVHLELASMTNRELMSSVHQVFP AVTSLG
LNEQELLFLTQSASGPHSSLSSWNGVPDVG MVSDILFWILKEHGRSKSRASDL TRIHFHTLVYHIL
ATVDGHWANQLAAVAAGARVAGTQACATETIDTSRVSLRAPQEFMTSHSEAGSRV LNPKNPVV
EWHREGISFHFTPV LVCKDPIRTVGLGDAISAEGLFYSEVHPHY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.5

Interspecies Antigen Sequence

Mouse (91); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADPGK

Entrez GeneID	83440
GeneBank Accession#	BC006112.1
Protein Accession#	AAH06112.1
Gene Name	ADPGK
Gene Alias	2610017G09Rik, ADP-GK, DKFZp434B195
Gene Description	ADP-dependent glucokinase
Gene Ontology	Hyperlink
Gene Summary	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]).[supplied by OMIM]
Other Designations	ATP-dependent glucokinase

Disease

- [Tobacco Use Disorder](#)