Recombinant Full Length Human ADPGK Protein, GST-tagged

Cat. No. ADPGK-719HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ADPGK(1 a.a. - 497 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	497 amino acids
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	MALWRGSAYA GFLALAVGCV FLLEPELPGS ALRSLWSSLC LGPAPAPPGP VSPEGRLAAA WDALIVRPVR RWRRVAVGVN ACVDVVLSGV KLLQALGLSP GNGKDHSILH SRNDLEEAFI HFMGKGAAAE RFFSDKETFH DIAQVASEFP GAQHYVGGNA ALIGQKFAAN SDLKVLLCGP VGPKLHELLD DNVFVPPESL QEVDEFHLIL EYQAGEEWGQ LKAPHANRFI FSHDLSNGAM NMLEVFVSSL EEFQPDLVVL SGLHMMEGQS KELQRKRLLE VVTSISDIPT GIPVHLELAS MTNRELMSSI VHQQVFPAVT SLGLNEQELL FLTQSASGPH SSLSSWNGVP DVGMVSDILF WILKEHGRSK SRASDLTRIH FHTLVYHILA TVDGHWANQL

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	AAVAAGARVA GTQACATETI DTSRVSLRAP QEFMTSHSEA GSRIVLNPNK PVVEWHREGI SFHFTPVLVC KDPIRTVGLG DAISAEGLFY SEVHPHY
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
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

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