

## Recombinant Human ADPGK protein, MYC/DDK-tagged

Cat. No. ADPGK-985H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human ADPGK, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                            |
| Species          | Human                                                                                                                                                                                                                   |
| Source           | HEK293                                                                                                                                                                                                                  |
| 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             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                   |
| Molecular Mass   | 53.8 kDa                                                                                                                                                                                                                |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                             |
| Concentration    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                        |

### GENE INFORMATION

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Gene Name       | ADPGK ADP-dependent glucokinase [ Homo sapiens ] |
| Official Symbol | ADPGK                                            |

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|                            |                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | ADPGK; ADP-dependent glucokinase; ADP GK; DKFZp434B195; rbBP-35; ATP-dependent glucokinase; ADP-GK; 2610017G09Rik;                                             |
| <b>Gene ID</b>             | <a href="#">83440</a>                                                                                                                                          |
| <b>mRNA Refseq</b>         | <a href="#">NM_031284</a>                                                                                                                                      |
| <b>Protein Refseq</b>      | <a href="#">NP_112574</a>                                                                                                                                      |
| <b>MIM</b>                 | <a href="#">611861</a>                                                                                                                                         |
| <b>UniProt ID</b>          | <a href="#">Q9BRR6</a>                                                                                                                                         |
| <b>Chromosome Location</b> | 15q24.1                                                                                                                                                        |
| <b>Pathway</b>             | Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; |
| <b>Function</b>            | ADP-specific glucokinase activity; metal ion binding; transferase activity;                                                                                    |

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