

## Recombinant Human GK5 protein, His-tagged

**Cat. No.** GK5-3088H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GK5 protein(1-301 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-301 aa                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                               |
| <b>AA Sequence</b>      | MSGLLTDPEQRAQEPRYPGFVLGLDVGSSVIRCHVYDRAARVCGSSVQKVENLYP<br>QIGWVEIDPDVLWQFVAVIKEAVKAAGIQMNQIVGLGISTQRATFITWNKKTGNHFFH<br>NFISWQDLRAVELVKSWNNSLLMKIFHSSCRVLHFFTRSKRLFTASLFTFTTQQTSLR<br>LVWILQNLTEVQKAVEEENCCFGTIDTWLLYKLTGKSVYATDFSNASTTGLFDPYKM<br>CWSGMITSLISIPLSLLPPVRDTSHNFGSVDEEIFGVPIPIVALLKVPGYDQNICYIFGK<br>GTIEPVFYHGSTL |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw                                                                                                      |

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cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

#### Gene Name

GK5 glycerol kinase 5 (putative) [ Homo sapiens ]

#### Official Symbol

GK5

#### Synonyms

GK5; glycerol kinase 5 (putative); putative glycerol kinase 5; MGC40579; GK 5; glycerokinase 5; ATP:glycerol 3-phosphotransferase 5; FLJ33582; FLJ45739;

#### Gene ID

256356

#### mRNA Refseq

NM\_001039547

#### Protein Refseq

NP\_001034636

#### UniProt ID

Q6ZS86

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