

## Recombinant Human GK5 Protein, GST-tagged

**Cat. No.** GK5-5280H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human MGC40579 full-length ORF ( AAH32470.1, 1 a.a. - 301 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Wheat Germ  |
| <b>Description</b>      | GK5 (Glycerol Kinase 5 (Putative)) is a Protein Coding gene. Among its related pathways are triacylglycerol biosynthesis and glycerol degradation. GO annotations related to this gene include phosphotransferase activity, alcohol group as acceptor and glycerol kinase activity. An important paralog of this gene is GK.    |
| <b>Molecular Mass</b>   | 60.3 kDa  |
| <b>AA Sequence</b>      | MSGLLTDPEQRAQEPRYPGFVLGLDVGSSVIRCHVYDRAARVCGSSVQKVENLYP<br>QIGWVEIDPDVLWIQFVAVIKEAVKAAGIQMNQIVGLGISTQRATFITWNKKTGNHFFH<br>NFISWQDLRAVELVKSNNLLMKIFHSSCRVLHFFTRSKRLFTASLFTFTTQQTSLR<br>LVWILQNLTEVQKAVEEENCCFGTIDTWLLYKLTGKSVYATDFSNASTTGLFDPYKM<br>CWSGMITSLISIPLSLLPPVRDTSHNFGSVDEEIFGVPIPIVALLKVPGYDQNICYIFGK<br>GTIEPVFYGSTL |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|--|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | GK5 glycerol kinase 5 (putative) [ Homo sapiens ]  |
| <b>Official Symbol</b> | GK5  |
| <b>Synonyms</b>        | GK5; glycerol kinase 5 (putative); putative glycerol kinase 5; MGC40579; GK 5; glycerokinase 5; ATP:glycerol 3-phosphotransferase 5; FLJ33582; FLJ45739; |
| <b>Gene ID</b>         | 256356   |
| <b>mRNA Refseq</b>     | NM_001039547   |
| <b>Protein Refseq</b>  | NP_001034636   |
| <b>UniProt ID</b>      | Q6ZS86   |

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