

## Recombinant Human GCK, His-tagged

Cat. No. GCK-13193H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human GCK protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | 157-465a.a.   |
| <b>Source</b>           | E.coli  |
| <b>Species</b>          | Human   |
| <b>Tag</b>              | His   |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.   |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. |

### GENE INFORMATION

**Gene Name** GCK glucokinase (hexokinase 4) [ Homo sapiens ]

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|                            |  |
|----------------------------|--|
| <b>Official Symbol</b>     | GCK  |
| <b>Synonyms</b>            | GCK; glucokinase (hexokinase 4); maturity onset diabetes of the young 2 , MODY2; glucokinase; HK4; HK IV; hexokinase-4; hexokinase-D; hexokinase type IV; hexokinase D, pancreatic isozyme; ATP:D-hexose 6-phosphotransferase; GK; GLK; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3;   |
| <b>Gene ID</b>             | <a href="#">2645</a>   |
| <b>mRNA Refseq</b>         | <a href="#">NM_000162</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_000153</a>  |
| <b>MIM</b>                 | <a href="#">138079</a>   |
| <b>UniProt ID</b>          | <a href="#">P35557</a>   |
| <b>Chromosome Location</b> | 7p15.3-p15.1   |
| <b>Pathway</b>             | Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Butirosin and neomycin biosynthesis, organism-specific biosystem; Butirosin and neomycin biosynthesis, conserved biosystem; Developmental Biology, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; GDP-glucose biosynthesis, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; glucokinase activity; glucose binding; kinase activity; nucleotide binding; protein binding; transferase activity;  |

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