

Recombinant Human GCKR Protein (M1-Q625), Tag Free

Cat. No. GCKR-1009H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human Glucokinase(M1-Q625 end) Protein was expressed in Insect cell. |
| Species | Human |
| Source | Insect Cells |
| ProteinLength | M1-Q625 |
| Description | Regulates glucokinase (GCK) by forming an inactive complex with this enzyme. Acts by promoting GCK recruitment to the nucleus, possibly to provide a reserve of GCK that can be quickly released in the cytoplasm after a meal. The affinity of GCKR for GCK is modulated by fructose metabolites: GCKR with bound fructose 6-phosphate has increased affinity for GCK, while GCKR with bound fructose 1-phosphate has strongly decreased affinity for GCK and does not inhibit GCK activity. |
| Form | Liquid |
| Endotoxin | < 0.01 EU per µg of the protein |
| Purity | 90% |
| Stability | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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| Storage | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Storage Buffer | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
| Shipping | It is shipped out with blue ice. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | GCKR glucokinase (hexokinase 4) regulator [Homo sapiens (human)] |
| Official Symbol | GCKR |
| Synonyms | GCKR; glucokinase (hexokinase 4) regulator; glucokinase (hexokinase 4) regulatory protein; glucokinase regulatory protein; GKRP; FGQTL5; |
| Gene ID | 2646 |
| mRNA Refseq | NM_001486 |
| Protein Refseq | NP_001477 |
| MIM | 600842 |
| UniProt ID | Q14397 |

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