

Recombinant Human GCKR Protein (M1-Q625), His tagged

Cat. No. GCKR-1010H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-TEV-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.

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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

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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