

Recombinant Mouse Gckr Protein, Myc/DDK-tagged

Cat. No. Gckr-3174M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glucokinase regulatory protein (Gckr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	65.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Gckr glucokinase regulatory protein \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Gckr](#)

Synonyms Gckr; glucokinase regulatory protein; GK; GKRP; glucokinase regulatory protein; glucokinase regulator

Gene ID [231103](#)

mRNA Refseq [NM_144909](#)

Protein Refseq [NP_659158](#)

UniProt ID [Q91X44](#)

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