Recombinant Mouse Gck Protein, MYC/DDK-tagged

Cat. No. Gck-245M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse glucokinase (cDNA clone MGC:18414 IMAGE:4195943), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the initial step in utilization of glucose by the beta-cell and liver at physiological glucose concentration. Pancreatic glucokinase plays an important role in modulating insulin secretion. Hepatic glucokinase helps to facilitate the uptake and conversion of glucose by acting as an insulin-sensitive determinant of hepatic glucose usage.
Molecular Mass	51.9 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 ug/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	Gck glucokinase [Mus musculus (house mouse)]
Official Symbol	Gck
Synonyms	Gck; glucokinase; Gk; GLK; HK4; HKIV; HXKP; Hlb62; MODY2; Gls006; hexokinase-4; HK IV; hexokinase type IV; hexokinase-D; EC 2.7.1.1
Gene ID	103988
mRNA Refseq	NM_010292
Protein Refseq	NP_034422
UniProt ID	P52792

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