Recombinant Human GCKR 293 Cell Lysate

Cat. No. GCKR-5984HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for glucokinase (hexokinase 4) regulator (GCKR) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	GCKR glucokinase (hexokinase 4) regulator [Homo sapiens]
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
Chromosome Location	2p23
Pathway	Glucose transport, organism-specific biosystem; Hexose transport, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Regulation of Glucokinase by Glucokinase Regulatory Protein, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules,

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	organism-specific biosystem;
Function	fructose-6-phosphate binding; protein binding; sugar binding;

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