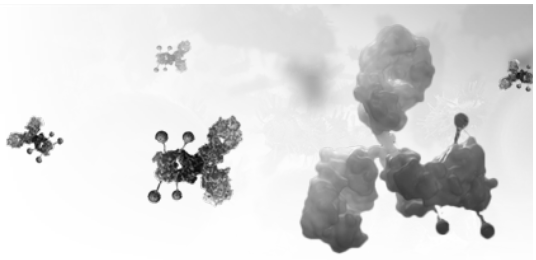

Human GCKR peptide (DAG-P0452)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset diabetes of the young (MODY). [provided by RefSeq, Jul 2008]
Specificity	Found in liver and pancreas. Not detected in muscle, brain, heart, thymus, intestine, uterus, adipose tissue, kidney, adrenal, lung or spleen.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the GCKR family.Contains 2 SIS domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	GCKR glucokinase (hexokinase 4) regulator [Homo sapiens (human)]
Official Symbol	GCKR
Synonyms	GCKR; glucokinase (hexokinase 4) regulator; GKRP; FGQTL5; glucokinase regulatory protein;
Entrez Gene ID	2646

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

mRNA Refseq	NM_001486.3
Protein Refseq	NP_001477.2
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, organism-specific biosystem;
Function	carbohydrate binding; enzyme binding; enzyme inhibitor activity; fructose-6-phosphate binding; protein binding; protein domain specific binding;

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