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Product datasheet for PH314230

GCKR (NM_001486) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GCKR MS Standard C13 and N15-labeled recombinant protein (NP_001477)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214230
Predicted MW:	69.1 kDa
Protein Sequence:	>RC214230 representing NM_001486 Red=Cloning site Green=Tags(s) MPGTKRFQHVIETPEPGKWELSGYEAAVPITEKSNPLTQDLDKADAENIVRLLGQCDAEIFQEEGQALST YQRLYSGSILTTMVQVAGKVQEVLKEPDGGLVVLSGGGTSGRMAFLMSVSFNQLMKGLGQKPLYTYLIAG GDRSVVASREGTEDSALHGIEELKKVAAGKKRVIVIGISVGLSAPFVAGQMDCCMNNTAVFLPVLVGFNP VSMARNDPIEDWSSTFRQVAERMQKMQEKQKAFVLNPAIGPEGLSGSSRMKGGSATKILLETLLLAAHKT VDQGIAASQRCLLEILRTFERAHQVTYSQSPKIATLMKSVSTSLEKKGHVYLVGWQTLGIIAIMDGVECI HTFGADFRDVRGFLIGDHSDMFNQKAELTNQGPQFTFSQEDFLTSILPSLTEIDTVVFIFTLDDNLTEVQ TIVEQVKEKTNHIQALAHSTVGQTLPIPLKKLFPSIISITWPLLFFEYEGNFIQKFQRELSTKWVLNTVS TGAHVLLGKILQNHMLDLRISNSKLFWRALAMLQRFSGQSKARCIESLLRAIHFPQPLSDDIRAAPISCH VQVAHEKEQVIPIALLSLLFRCSITEAQAHLAAAPSVCEAVRSALAGPGQKRTADPLEILEPDVQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001477
RefSeq Size:	2197
RefSeq ORF:	1875

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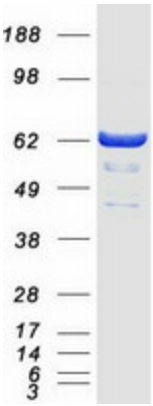
Synonyms:	FGQTL5; GKRP
Locus ID:	2646
UniProt ID:	Q14397, A0A0C4DFN2
Cytogenetics:	2p23.3
Summary:	This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet 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]

Product images:



Coomassie blue staining of purified GCKR protein (Cat# [TP314230]). The protein was produced from HEK293T cells transfected with GCKR cDNA clone (Cat# [RC214230]) using MegaTran 2.0 (Cat# [TT210002]).