

Glucokinase regulatory protein Recombinant Protein | GCKR recombinant protein

Recombinant Human Glucokinase regulatory protein

CATALOG # AAA116520	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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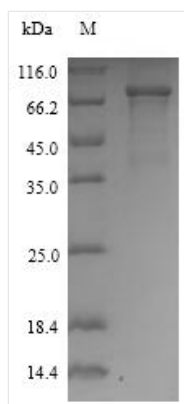
PRODUCT SYNONYMS

Glucokinase regulatory protein; Recombinant Human Glucokinase regulatory protein; GCKR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-625aa; Full Length
Sequence	MPGTRKFQHV IETPEPGKWE LSGYEAAPVI TEKSNPLTQD LDKADAENIV RLLGQCDAEI FQEEGQALST YQRLYSESL TTMVQVAGKV QEVLPKPDGG LVVLSGGGTS GRMAFLMSVS FNQLMKGLGQ KPLYTYLIAG GDRSVVASRE GTEDSALHGI EELKKVAAGK KRVIVIGISV GLSAPFVAGQ MDCCMNNTAV FLPVLVGFNP VSMARNDPIE DWSSTFRQVA ERMQKMQEKQ KAFVLNPAIG PEGLSGSSRM KGGSATKILL ETLLAAHKT VDQGIAASQR CLLEILRTFE RAHQVTYSQS PKIATLMKSV STSLEKKGHV YLVGWQTLGI IAIMGVVECI HTFGADFRDV RGFLIGDHSD MFNQKAELTN QGPQFTFSQE DFLTSILPSL TEIDTVVFIF TLDDNLTEVQ TIVEQVKEKT NHIQALAHST VGQTLPIPLK KLFPSISIT WPLFFEYEG NFIQKFQREL STKWVLNTVS TGAHVLLGKI LQNHMLDLRI SNSKLFWRAL AMLQRFSGQS KARCIESLLR AIHFPQPLSD DIRAAPISCH VQVAHEKEQV IPIALLSLLF RCSITEAQAH LAAAPSVCEA VRSALAGPGQ KRTADPLEIL EPDVQ
Sequence Length	625
Production Note	Special Offer: The E Coli, Yeast host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli, Yeast host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli, Yeast host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli, Yeast host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GCKR recombinant protein	Inhibits glucokinase (GCK) by forming an inactive complex with this enzyme. 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.
Product Categories/Family for GCKR recombinant protein	Signal Transduction
References	Human glucokinase regulatory protein (GCKR) cDNA and genomic cloning, complete primary structure, and chromosomal localization. Warner J.P., Leek J.P., Intody S., Markham A.F., Bonthron D.T. <i>Mamm. Genome</i> 6:532-536(1995) Organization of the human glucokinase regulator gene GCKR. Hayward B.E., Dunlop N., Intody S., Leek J.P., Markham A.F., Warner J.P., Bonthron D.T. <i>Genomics</i> 49:137-142(1998) NIEHS SNPs program Complete sequencing and characterization of 21,243 full-length human cDNAs. 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Genet.</i> 36:40-45(2004) Generation and annotation of the DNA sequences of human chromosomes 2 and 4. 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NCBI AND UNIPROT INFORMATION

NCBI GI #	221625433
NCBI GeneID	2646
NCBI Accession #	NP_001477.2
NCBI GenBank Nucleotide #	NM_001486.3
UniProt Accession #	Q14397; Q53RY6; Q99522; A1L4C2; B4DPQ2
Molecular Weight	70.7 kDa
NCBI Official Full Name	glucokinase regulatory protein
NCBI Official Synonym Full Names	glucokinase (hexokinase 4) regulator
NCBI Official Symbol	GCKR
NCBI Official Synonym Symbols	GKRP; FGQTL5
NCBI Protein Information	glucokinase regulatory protein
UniProt Protein Name	Glucokinase regulatory protein
UniProt Gene Name	GCKR
UniProt Synonym Gene Names	GKRP; Glucokinase regulator
UniProt Entry Name	GCKR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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