

Glucokinase regulatory Recombinant Protein | GCKR recombinant protein

Recombinant Homo sapiens Glucokinase regulatory protein

CATALOG # AAA309800	HOST Yeast	REACTIVITY Human
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PRODUCT SYNONYMS

Glucokinase regulatory; Recombinant Homo sapiens Glucokinase regulatory protein; GCKR recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Reactivity	Human
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer 50% glycerol
Sequence Positions	Full Length, 1-625aa
Sequence	MPGTKRFQHV IETPEPGKWE LSGYEAAPVI TEKSNPLTQD LDKADAENIV RLLGQCDAEI FQEEGQALST YQRLYSESIL TTMVQVAGKV QEVLKEPDGG LVLVSGGGTS GRMAFLMSVS FNQLMKGLGQ KPLYTYLIAG GDRSVVASRE GTEDSALHGI EELKKVAAGK KRVIVIGISV GLSAPFVAGQ MDCCMNNTAV FLPVLVGFNP VSMARNDPIE DWSSTFRQVA ERMQKMQEKQ KAFVLNPAIG PEGLSGSSRM KGGSATKILL ETLLAAHKT VDQGIAASQR CLLEILRTFE RAHQVTYSQS PKIATLMKSV STSLEKKGHV YLVGWQTLGI IAIMDGVECI HTFGADFRDV RGFLIGDHSD MFNQKAELTN QGPQFTFSQE DFLTSILPSL TEIDTVVFIF TLDDNLTEVQ TIVEQVKEKT NHIQALAHST VGQTLPIPLK KLFPSIISIT WPLFFFEYEG NFIQKFQREL STKWVNLTVS TGAHVLLGKI LQNHMLDLRI SNSKLFWRAL AMLQRFSGQS KARCIESLLR AIHFPQPLSD DIRAAPISCH VQVAHEKEQV IPIALLSLLF RCSITEAQAH LAAAPSVCEA VRSALAGPGQ KRTADPLEIL EPDVQ
Calculated MW	70.7 kDa
Tag Info	N-terminal 6xHis-tagged
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 affinityfor GCK and does not inhibit GCK activity.
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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

NCBI Official Full Name	glucokinase regulatory protein
NCBI Official Synonym Full Names	glucokinase 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

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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Online datasheet: <https://stage.aaabiotech.com/gckr-recombinant-protein-yeast/309800>