

Product datasheet for **TP509160**

Gckr (NM_144909) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glucokinase regulatory protein (Gckr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209160 representing NM_144909 Red =Cloning site Green =Tags(s)

MPSTKRYQHVIETPEPGEWELSGYEAAVPITEKSNPLTRNLDKADAEKIVQLLGQCDAEIFQEEGQIMPT
YQRLYSESVLTTMLQVAGKVQEVLEKPDGGLVVLSSGGTSGRMAFLMSVSFNQLMKGLGQKPLYTYLIAG
GDRSVASRERTEDSALHGIEELKKVAAGKKRVVIGISVGLSAPFVAGQMDYCMDNTAVFLPVLVGFNP
VSMARNDPIEDWRSTFRQVAERMQKMQEKEAFVLPNPAIGPEGLSGSSRMKGGSATKILLETLLAAHKT
VDQGVVSSQRCLLEILRTFERAHQVTYSQSSKIATLTKQVGSLEKKGHVHLVGWQTLGIIAIMDGVCCI
HTFGADFRDIRGFLIGDHNDMFNQKDELSNQGPQFTFSQDDFLTSLPSLTEIDTVWFIFLDDNLAEVQ
ALAERVREKSWNIQALVHSTVGQSLPAPLKKLFPPLSISITWPLFFFDYEGSYVQKQFRELSTKWWLNTRF
SGQSKARCIESLLQVIHFPQPLSNDVRAAPISCHVQVAHEKEKVIPTALLSLLLRCSITEAKERLAAASS
VCEVRSALSGPGQKRISIQAFGDPWVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	65.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_659158](#)

Locus ID: 231103

UniProt ID: [Q91X44](#)

RefSeq Size: 2024

Cytogenetics: 5 17.27 cM

RefSeq ORF: 1761

Synonyms: GKRP

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]