

Recombinant Human GK2 Protein (2-553 aa), His-SUMO-tagged

Cat. No. GK2-524H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GK2 Protein (2-553 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	2-553 aa
Description	Key enzyme in the regulation of glycerol uptake and metabolism.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	76.5 kDa
AA Sequence	AAPKTAAVGPLVGAVVQGTNSTRFLVFNSKTAELLSHHKVELTQEFPKEGWVEQDP KEILQSVYECIARTCEKLDDELNIDISNIKAVGVSNQRETTVIWDKLTGEPLYNAVWWLD LRTQTTVEDLSKKIPGNSNFVKSKTGLPLSTYFSAVKLRWMLDNVRNVQKAVEEGR ALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNIHSLEWDKELCDFFEIPMDL LPNVFSSSEIYGLIKTGALEGVPISGCLGDQCAALVGQMCFQEGQAKNTYGTGCFL CNTGRKCVFSEHGLLTTVAYKLGREKPAYYALEGSAIAGAVIRWLRDNLGIIETSGD IERLAKEVGTSYGCYFVPAFSGLYAPYWEPSARGILCGLTQFTNKCHIAFAALEAVCF QTREILEAMNRDCGIPLRHLQVDGGMTNNKVLMLQLQADILHIPVIKPFMPETTALGAA

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	MAAGAAEGVSVWSLEPQALSVLRMERFEPQIQATESEIRYATWKKAVMKSMGWVT SQSPEGGDPSIFSSLPLGFFIVSSMVMLIGARYISGVP
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

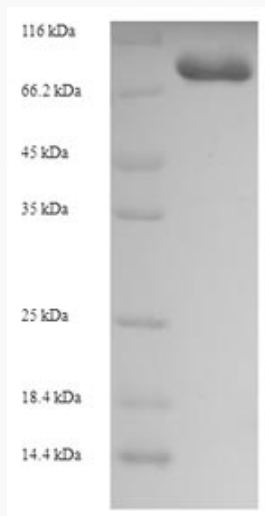
GENE INFORMATION

Gene Name	GK2 glycerol kinase 2 [Homo sapiens]
Official Symbol	GK2
Synonyms	GK2; GKTA; glycerokinase 2; GKP2;
Gene ID	2712
mRNA Refseq	NM_033214
Protein Refseq	NP_149991
UniProt ID	Q14410

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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