Recombinant Human GK2 Protein, GST-tagged

Cat. No. GK2-4938H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GK2 full-length ORF (AAH29820, 1 a.a. - 553 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	GK2 (Glycerol Kinase 2) is a Protein Coding gene. Diseases associated with GK2 include Glycerol Kinase Deficiency. Among its related pathways are triacylglycerol biosynthesis and Metabolism. GO annotations related to this gene include phosphotransferase activity, alcohol group as acceptor and glycerol kinase activity. An important paralog of this gene is GK.
Molecular Mass	86.57 kDa
AA Sequence	MAAPKTAAVGPLVGAVVQGTNSTRFLVFNSKTAELLSHHKVELTQEFPKEGWVEQD PKEILQSVYECIARTCEKLDELNIDISNIKAVGVSNQRETTVIWDKLTGEPLYNAVVWL DLRTQTTVEDLSKKIPGNSNFVKSKTGLPLSTYFSAVKLRWMLDNVRNVQKAVEEG RALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNIHSLEWDKELCDFFEIPMD LLPNVFSSSEIYGLIKTGALEGVPISGCLGDQCAALVGQMCFQEGQAKNTYGTGCFL LCNTGRKCVFSEHGLLTTVAYKLGREKPAYYALEGSVAIAGAVIRWLRDNLGIIETSG DIERLAKEVGTSYGCYFVPAFSGLYAPYWEPSARGILCGLTQFTNKCHIAFAALEAVC FQTREILEAMNRDCGIPLRHLQVDGGMTNNKVLMQLQADILHIPVIKPFMPETTALGA AMAAGAAEGVSVWSLEPQALSVLRMERFEPQIQATESEIRYATWKKAVMKSMGWV

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	TSQSPEGGDPSIFSSLPLGFFIVSSMVMLIGARYISGVP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GK2 glycerol kinase 2 [Homo sapiens]
Official Symbol	GK2
Synonyms	GK2; glycerol kinase 2; GKP2, glycerol kinase pseudogene 2; GKTA; glycerokinase 2; glycerol kinase pseudogene 2; glycerol kinase testis specific 2; glycerol kinase, testis specific 2; ATP:glycerol 3-phosphotransferase 2; GKP2;
Gene ID	2712
mRNA Refseq	NM_033214
Protein Refseq	NP_149991
MIM	600148

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UniProt ID	Q14410
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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