

Recombinant Full Length Human GK2 Protein, GST-tagged

Cat. No. GK2-5301HF **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	In Vitro Cell Free System
ProteinLength	553 amino acids
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 PKEILQSVYECIARTCEKLDDELNIDISNIKAVGVSNQRETTVIWDKLTGEPLYNAVWWL DLRTQTTVEDLSKKIPGNSNFVKSKTGLPLSTYFSAVKLRWMLDNVRNVQKAVEEG RALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNIHSLEWDKELCDFFEIPMD LLPNVFSSEIYGLIKTGALEGVPISGCLGDQCAALVGQMCQFQEGQAKNTYGTGCFL LCNTGRKCVFSEHGLLTTVAYKLGREKPAYYALEGSVAIAGAVIRWLRDNLGIITSG DIERLAKEVGTSYGCYFVPAFSGLYAPYWEPSARGILCGLTQFTNKCHIAFAALEAVC FQTREILEAMNRDCGIPLRHLQVDGGMTNNKVLMLQLQADILHIPVIKPFMPETTALGA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	AMAAGAAEGVSVWSLEPQALSVLRMERFEPQIQATESEIRYATWKKAVMKSMGWV 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

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