

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 LLPNVFSSEIYGLIKTGALEGVPISGCLGDQCAALVGQMCFQEGQAKNTYGTGCFL LCNTGRKCVFSEHGLLTTVAYKLGREKPAYYALEGSVAIAGAVIRWLRDNLGIITSG DIERLAKEVGTSYGCYFVPAFSGLYAPYWEPSARGILCGLTQFTNKCHIAFAALEAVC FQTREILEAMNRDCGIPLRHLQVDGGMTNNKVLMLQLQADILHIPVIKPFMPETTALGA

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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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