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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GK (Human) Recombinant Protein (P01)

Catalog Number: H00002710-P01

Regulation Status: For research use only (RUO)

Product Description: Human GK full-length ORF (AAH37549, 1 a.a. - 524 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAASKKAVLGLPLVGAVDQGTSSSTRFLVFNSKTAELLS
HHQVEIKQEFPREGWVEQDPKEILHSVYECIEKTCEKL
GQLNIDISNIKAIGVSNQRETTVVWDKITGEPLYNAVWW
LDLRTQSTVESLSKRIPGNNNFVKSKTGLPLSTYFSAV
KLRWLLDNVRKVQKAVEEKRALFGTIDSWLIWLSLTGG
VNGGVHCTDVTNASRTMLFNIHSLEWQDLCEFFGIP
MEILPNVRSSEIYGLMKAGALEGVPISGCLGDQSAAL
VGQMCQFQIGQAKNTYGTGCFLLCNTGHKCVFSDHGLL
TTVAYKLGRDKPVYYALEGSVAIAGAVIRWLRDNLGIK
TSEEIEKLAKEVGTSGCYFVPAFSGLYAPYWEPSAR
GIICGLTQFTNKCHIAFAALEAVCFQTREILDAMNRDCG
IPLSHLQVDGGMTSNKILMQLQADILYIPVVKPSMPETT
ALGAAMAAGAAEGVGVWSLEPEDLSAVTMERFEPQIN
AESEIRYSTWKKAVMKSMGWVTTQSPESGIP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 83.38

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2710

Gene Symbol: GK

Gene Alias: GK1, GKD

Gene Summary: The product of this gene belongs to the FGGY kinase family of proteins and encodes glycerol kinase. Glycerol kinase is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Defects in this gene are the cause of glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]