



Recombinant Human GK2 Protein Product Manual

1. Product Basic Information

Product No.: REP06981

Protein Name: GK2

Aliases: GKP2; GKTA

UniProt ID: Q14410

UniProt Link: <https://www.uniprot.org/uniprotkb/Q14410/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (2-553aa)

Molecular Weight: 76.5kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (2-553aa)

AAPKTAAVGPLVGAVVQGTNSTRFLVFNSKTAELLSHHKVELTQEFPKEGWVEQDP
KEILQSVYECIARTCEKLDELNIDISNIKAVGVSNQRETTVIWDKLTGEPLYNAVWWL
DLRTQTTVEDLSKKIPGNSNFVKSSTGLPLSTYFSAVKLRWMLDNVRNVQKAVEEG
RALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNIHSLEWDKELCDFEIPM
DLLPNVFSSEIYGLIKTGALEGVPISGCLGDQCAALVGQMCQEGQAKNTYGTGC
FLLCNTGRKCVFSEHGLLTTVAYKLGREKPAYYALEGSAIAGAVIRWLRDNLGIIET
SGDIERLAKEVGTSYGCFVPAFSGLYAPYWEPSARGILCGLTQFTNKCHIAFAALE
AVCFQTREILEAMNRDCGIPLRHLQVDGGMNTNNKVLMLQLQADILHIPVIKPFMPETT
ALGAAMAAGAAEGVSVWSLEPQALSVLRMERFEPQIQATESEIRYATWKKAVMK
MGWVTSQSPEGGDPSIFSSLPLGFFIVSSMVMLIGARYISGVP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human GK2 partial protein (2-553aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. GK2, also known as GKP2 or GKTA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.