



# Recombinant Human DGUOK Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06664

**Protein Name:** Deoxyguanosine Kinase (DGUOK)

**Aliases:** dGK; NCPH; NCPH1; PEOB4; MTDPS3; deoxyguanosine kinase; deoxyadenosine kinase, mitochondrial; deoxyguanosine kinase, mitochondrial

**UniProt ID:** Q16854

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q16854/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (40-277)

**Molecular Weight:** 44.0kDa

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

## 2. Amino Acid Sequence (40-277)

RLSIEGNIAVGKSTFVKLLTKTYPEWHVATEPVATWQNIQAAGTQKACTAQSLGNLL  
DMMYREPARWSYTFQTFSFLSRLKVQLEPFPEKLLQARKPVQIFERSVYSDRYIFAK  
NLFENGSLSDIEWHIYQDWHSFLLWEFASRITLHGFIYQLQASPQVCLKRLYQRAREE  
EKGIELAYLEQLHGQHEAWLIHKTTKLHFEALMNIPVLVLDVNDDFSEEVTKQEDLM  
REVNTFVKNL

## 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

## 5. Product Description

This product is a recombinant Human DGUOK full length of mature protein protein (40-277) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. DGUOK, also known as dGK or NCPH or NCPH1, 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.