

Recombinant Full Length Human DGUOK Protein, GST-tagged

Cat. No. DGUOK-2509HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGUOK full-length ORF (AAH15757, 1 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	277 amino acids
Description	In mammalian cells, the phosphorylation of purine deoxyribonucleosides is mediated predominantly by two deoxyribonucleoside kinases, cytosolic deoxycytidine kinase and mitochondrial deoxyguanosine kinase. The protein encoded by this gene is responsible for phosphorylation of purine deoxyribonucleosides in the mitochondrial matrix. In addition, this protein phosphorylates several purine deoxyribonucleoside analogs used in the treatment of lymphoproliferative disorders, and this phosphorylation is critical for the effectiveness of the analogs. Alternative splice variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	56.21 kDa
AA Sequence	MAAGRLFLSRLRAPFSSMAKSPLEGVSSSRGLHAGRGPRRLSIEGNIAVGKSTFVKL LTKTYPEWHVATEPVATWQNIQAAGTQKACTAQSLGNLLDMMYREPARWSYTFQT FSFLSRLKVQLEPFPEKLLQARKPVQIFERSVYSDDRYIFAKNLFENGSLSDIEWHIYQ DWHSFLLWEFASRITLHGFIYLQASPQVCLKRLYQRAREEEKGIELAYLEQLHGQHE

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AWLIHKTTKLHFEALMNIPVLVLDVNDDFSEEVTQEDLMREVNTFVKNL

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

DGUOK deoxyguanosine kinase [Homo sapiens]

Official Symbol

DGUOK

Synonyms

DGUOK; deoxyguanosine kinase; deoxyguanosine kinase, mitochondrial; dGK; MTDPS3;

Gene ID

1716

mRNA Refseq

NM_080916

Protein Refseq

NP_550438

MIM

601465

UniProt ID

Q16854

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