Recombinant Human DGUOK Protein, His-tagged

Cat. No. DGUOK-772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGUOK, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	50mM Tris, 8M Urea, pH8.0
Molecular Mass	17.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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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