

Recombinant Human DGKZ, His-tagged

Cat. No. DGKZ-11960H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGKZ protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	296-600a.a.
Description	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name DGKZ diacylglycerol kinase, zeta [Homo sapiens]

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Official Symbol	DGKZ
Synonyms	DGKZ; diacylglycerol kinase, zeta; diacylglycerol kinase, zeta 104kDa; diacylglycerol kinase zeta; DAGK5; DAGK6; DGK ZETA; hDGKzeta; DAG kinase zeta; diglyceride kinase zeta; DGK-ZETA;
Gene ID	8525
mRNA Refseq	NM_001105540
Protein Refseq	NP_001099010
MIM	601441
UniProt ID	Q13574
Chromosome Location	11p11.2
Pathway	Effects of PIP2 hydrolysis, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem;
Function	ATP binding; diacylglycerol kinase activity; diacylglycerol kinase activity; enzyme inhibitor activity; lipid kinase activity; metal ion binding; nucleotide binding; protein C-terminus binding; protein binding; transferase activity;

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