

Recombinant Human DGKZ protein, His-tagged

Cat. No. DGKZ-3861H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGKZ protein(297-601 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	297-601 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	LLVFNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGPKEALEMYRKVHNLRILACG GDGTVGWILSTLDQLRLKPPPPVAILPLGTGNDLARTLNWGGGYTDEPVSKILSHVE EGNVVQLDRWDLHAEPNPEAGPEDRDEGATDRLPLDVFNMYFSLGFDAHVTLEFH ESREANPEKFNFRNKMFRNMFYAGTAFSDFLMGSSKDLAKHIRVVCDGMDLTPKIQDL KPKCVVFLNIPRYCAGTMPWGHGPHGEHDFEPQRHDDGYLEVIGFTMTSLAALQVG GHGERLTQCREVVLTTSKAIPVQVD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

DGKZ diacylglycerol kinase, zeta [Homo sapiens]

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

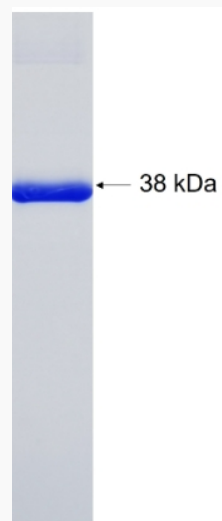
UniProt ID

Q13574

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SDS-PAGE

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