

# Recombinant Full Length Human Diacylglycerol Kinase Epsilon(Dgke) Protein, His&Myc-Tagged

**Cat. No.** RFL26787HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | Recombinant Full Length Human Diacylglycerol kinase epsilon(DGKE) Protein (P52429) (1-567aa), fused to N-terminal 10xHis-SUMO tag and C-terminal Myc tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Full Length (1-567aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | <p>MEAERRPAPGSPSEGLFADGHLILWTLCSVLLPVFITFWCSLQRSRRQLHRRDIFRK<br/> SKHGWRDIDLFSQPTYCCVCAQHILQGAFCDCCLRVDEGCLRKADKRFQCKEIM<br/> LKNDTKVLDAMPHHWIRGNVPLCSYCMVCKQQCGCQPKLCDYRCIWCQKTVHDEC<br/> MKNSLKNEKCDFGEFKNLIIPPSYLTINQMRKDKTDYEVLASKLGKQWTPLIILANS<br/> RSGTNMGEGLLGEFRILLNPVQVFDVTKTPPIKALQLCTLLPYYSARVLVCGGDGTV<br/> GWVLDVDDMKIKGQEKYIPQVAVLPLGTGNDLSNTLGWGTGYAGEIPVAQVLRNV<br/> MEADGIKLDRAWKVQVTNKGYYNLRKPKEFTMNNYFSVGPDALMALNFHAHREKAP<br/> SLFSSRILNKAVYLFYGT KDCLVQECKDLNKKVELELDGERVALPSLEGIIVLNIGYWG<br/> GGCRLWEGMGDETYPLARHDDGLLEVGVYGSFHCAQIQVKLANPFRIGQAHTVR<br/> LILKCSMMPMQVDGEPWAQGPCTVTITHKTHAMMLYFSGEQTDDEISSTSDQEDIK<br/> ATE Note: The complete sequence including tag sequence, target protein sequence a</p> |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | nd linker sequence could be provided upon request.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>   | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

## GENE INFORMATION

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | DGKE                                                                                                    |
| <b>Synonyms</b>   | DGKE; DAGK5; Diacylglycerol kinase epsilon; DAG kinase epsilon; Diglyceride kinase epsilon; DGK-epsilon |
| <b>UniProt ID</b> | <a href="#">P52429</a>                                                                                  |

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