



Recombinant Human DGKA Protein Product Manual

1. Product Basic Information

Product No.: REP06662

Protein Name: Dag Kinase Alpha (DGKA)

Aliases: DAGK; DAGK1; DGK-alpha; DAG kinase alpha; diglyceride kinase alpha; diacylglycerol kinase alpha; 80 kDa diacylglycerol kinase; diacylglycerol kinase, alpha 80kDa

UniProt ID: P23743

UniProt Link: <https://www.uniprot.org/uniprotkb/P23743/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-735aa)

Molecular Weight: 86.6kDa

Protein Tag: N-terminal 6XHis-tagged

2. Amino Acid Sequence (1-735aa)

MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMAKYVQGDAIGYEGFQQF
LKIYLEVDNVPRHLSLALFQS FETGHCLNETNVT KDVVCLNDVSCYFSLLEGGRPED
KLEFTFKLYDTRNGILDSSEVDKIILQMMRVAEYLDWDVSEL RPILQEMMKEIDYD
GSGSVSQA EWVRAGATTVPLLVL LGLEMTLKDDGQH MWRPKRFPRPVYCNLCES
SIGLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCES
GRCDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSIYP
SVLASGPDRKNSKTSQKTMDDLNLSTSEALRIDPVPNTHPLLVFVNP KSGGKQGQR
VLWKFQYILNPRQVFNLLKDGPEIGLRLFKDVPDSRILVCGGDGTVGWILETIDKANL
PVLPPVAVLPLGTGNDLARCLRWGGGYEGQNLAKILKDLEMSKV VHM DRWSVEVI
PQQTEEKSDPVFPFIINNYFSIGVDASIAHRFHIMREKYPEKFNSRMKNKLWYFEFA
TSESIFSTCKKLEESLTVEICGKPLDLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHG
DIYGINQALGATAKVITDPDILKTCVPDLSDKRLEVVGLEGA IEMGQIYTKLKNAGRRL
AKCSEITFHTTKTLP MQIDGEPWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS

3. Storage Buffer



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human DGKA full length protein (1-735aa) expressed in E.coli. The protein is with 6XHis tag at the N-terminus, which facilitates protein purification, detection and identification. DGKA, also known as DAGK or DAGK1 or DGK-alpha, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.