

DGKQ recombinant protein

DGKQ, Active

CATALOG #
AAA73423

HOST
Sf9 insect cells

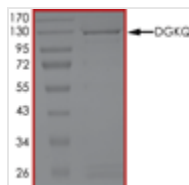
PRODUCT SYNONYMS

DGKQ; Active; DAGK; DAGK4; DAGK7; DGKQ recombinant protein

PRODUCT SPECIFICATIONS

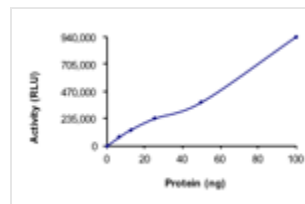
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DGKQ recombinant protein	Recombinant full-length human DGKQ was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The DGKQ gene accession number is NM_001347. Diacylglycerol kinase theta (DAG kinase theta) is the only member of class V diacylglycerol kinase, which contains three cysteine-rich domains, a proline-rich region, and a Ras-associating domain and mediates the regeneration of phosphatidylinositol from diacylglycerol in cell signal transduction (1). DGKQ has been associated with Parkinson's disease in a genome-wide meta-analysis study (2). Stimulated DGK theta activity promotes the SF1-dependent transcription of CYP17 in human adrenocortical cells (3).
Product Categories/Family for DGKQ recombinant protein	Lipid Kinases; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; Cell Cycle; Inflammation; PKA/PKC Pathway

References

1. Houssa, B. et al. Cloning of a Novel Human Diacylglycerol Kinase (DGK theta) Containing Three Cysteine-rich Domains, a Proline-rich Region, and a Pleckstrin Homology Domain with an Overlapping Ras-associating Domain. The Journal of Biological Chemistry. (272) 10422-10428, 1997.
2. Nalls, M. et al. Large-scale meta-analysis of genome-wide association data identifies six new risk loci for Parkinson's disease. Nature Genetics. (46) 989-993, 2014.
3. Li, Donghui. et al. Cyclic AMP-Stimulated Interaction between Steroidogenic Factor 1 and Diacylglycerol Kinase theta Facilitates Induction of CYP17. Molecular and Cellular Biology. (27) 6669-6685, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001347
Molecular Weight	130kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/dgkq-recombinant-protein-sf9/73423>