

## Product Information

### MemDX™ Membrane Protein Human DGKE (Diacylglycerol kinase epsilon) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1349J**

This product is for research use only and is not intended for diagnostic use.

This product is a 83.9 kDa Human DGKE membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

DGKE

##### Protein Length

Full-length

##### Protein Class

GPCR

##### Molecular Weight

83.9 kDa

##### TMD

1

##### Sequence

MEAERRPAPGSPSEGLFADGHLILWTLCSVLLPVFITFWCSLQRSRRQLHRRDIFRKSKHGWRDTDLFSQPTYCCVCAQHILQGAF

#### Product Description

##### Expression Systems

E.coli

##### Tag

N-10xHis-SUMO and C-Myc

##### Form

Liquid or Lyophilized powder

##### Reconstitution

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).

#### **Purity**

>85% as determined by SDS-PAGE

#### **Buffer**

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

#### **Storage**

Store at +4°C for up to one week or several months at -80°C

### **Target**

#### **Target Protein**

DGKE

#### **Full Name**

Diacylglycerol kinase epsilon

#### **Introduction**

Diacylglycerol kinases are thought to be involved mainly in the regeneration of phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction. When expressed in mammalian cells, DGK-epsilon shows specificity for arachidonyl-containing diacylglycerol. DGK-epsilon is expressed predominantly in testis.

#### **Alternative Names**

AHUS7; DAG kinase epsilon; DAGK 5; DAGK 6; DAGK5; DAGK6; DGK; DGK epsilon; DGK-epsilon; DGKE; DGKE\_HUMAN; Diacylglycerol kinase epsilon 64kDa; Diacylglycerol kinase epsilon; Diglyceride kinase epsilon; NPHS7

#### **Gene ID**

[8526](#)

#### **UniProt ID**

[P52429](#)