

Product Information

MemDX™ Membrane Protein Human DGKE (Diacylglycerol kinase epsilon) Full Length

Cat. No.: **MPC4176K**

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

This product is a made-to-order Human DGKE membrane protein expressed in HEK293. 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

Transferase

TMD

1

Sequence

MEAERRPAPGSPSEGLFADGHLILWTLCSVLLPVFITFWCSLQRSRRQLH
RRDIFRFSKHGWRDSDLFSQPTYCCVCAQHILQGAFCDCCLRVDEGCLR
KADKRFQCKEIMLKNDTKVLDAMPHHWIRGNVPLCSYCMVCKQQCGCQPK
LCDYRCIWCQKTVHDECMKNSLKNEKCDFGEFKNLIIPPSYLTINQMRK
DKKTDYEV LASKLGKQWTPILILANSRSGTNMGEGLLGEFRILLNPVQVF
DVTKTPIKALQLCTLLPYYSARVLVCGGDGTGVWVLDAVDDMKIKGQEK
YIPQVAVLPLGTGNDLSNTLGWGTGYAGEIPVAQVLRNVMEADGIKLDWR
KVQVTNKGYYNLRKPKEFTMNNYFSVGPDALMALNFHAHREKAPSLFSSR
ILNKAVYLFYGTCDLVQECKDLNKKVELELDGERVALPSLEGIIVLNIG
YWGGGCRLEWEGMGDETYPLARHDDGLLEVGVYGSFHCACIQVKLANPFR
IGQAHTVRLILKCSMMPMQVDGEPWAQGPCTVTITHKTHAMMLYFSGEQT
DDDISSTSDQEDIKATE

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

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

DGKE; DGK; AHUS7; DAGK5; DAGK6; NPHS7; DAG kinase epsilon; DGK-epsilon; diacylglycerol kinase, epsilon 64kDa; diglyceride kinase epsilon; Diacylglycerol kinase epsilon

Gene ID

[8526](#)

UniProt ID

[P52429](#)