

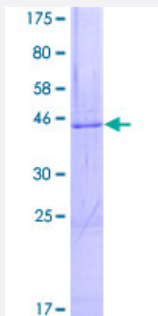
Full-Length

## DGKE (Human) Recombinant Protein (P01)

Catalog # H00008526-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human DGKE full-length ORF ( AAH22297, 1 a.a. - 177 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MEAERRPAPGSPSEGLFADGHLILWTLCSVLLPVFITFWCSLQRRQLHRRDIFRKSKHGWRDT  
DLFSQPTYCCVCAQHILQGAFCDCGLRVDEGCLRKADKRFQCKEIMLKNDTKVLDAMPHHWIR  
GNVPLCSYCMVCKQQCGCQPKLCDYRYGLRGHLSQNAPWESGFHRVV

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

45.21

#### Interspecies Antigen Sequence

Mouse (83)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — DGKE

Entrez GeneID	<a href="#">8526</a>
GeneBank Accession#	<a href="#">BC022297</a>
Protein Accession#	<a href="#">AAH22297</a>
Gene Name	DGKE
Gene Alias	DAGK6, DGK
Gene Description	diacylglycerol kinase, epsilon 64kDa
Omim ID	<a href="#">601440</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	diacylglycerol kinase epsilon diacylglycerol kinase, epsilon (64kD)

## Pathway

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)

- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

## Disease

- [Diabetes Mellitus](#)