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# Product Information

## MemDX™ Membrane Protein Human DEGS2 (Delta 4-desaturase, sphingolipid 2) Full Length

Cat. No.: **MPC4853K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human DEGS2 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**
DEGS2

**Protein Length**
Full length

**Protein Class**
Oxidoreductase

**TMD**
3

**Sequence**
MGNSASRSDFEWVYTDQPHTQRRKEILAKYPAIKALMRPDPRLKWAVLVL
VLVQMLACWLVRGLAWRWLLFWAYAFGGCVNHSLTLAIHDISHNAAFGTG
RAARNRWLAVFANLPVGVPYAASFKKYHVDHHRYLGGDGLDVDVPTRLEG
WFFCTPARKLLWLVLQPFFYSLRPLCVHPKAVTRMEVLNTLVQLAADLAI
FALWGLKPVVYLLASSFLGLGLHPISGHFVAEHYMFLKGHETYSYYGPLN
WITFNVGYHVEHHDFPSIPGYNLPLVRKIAPEYYDHLPQHHSWVKVLWDF
VFEDSLGPYARVKRVYRLAKDGL

## 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

DEGS2

### Full Name

Delta 4-desaturase, sphingolipid 2

### Introduction

This gene encodes a bifunctional enzyme that is involved in the biosynthesis of phytosphingolipids in human skin and in other phytosphingolipid-containing tissues. This enzyme can act as a sphingolipid delta(4)-desaturase, and also as a sphingolipid C4-hydroxylase.

### Alternative Names

DEGS2; DES2; FADS8; C14orf66; sphingolipid delta(4)-desaturase/C4-monooxygenase DES2; degenerative spermatocyte homolog 2, lipid desaturase; dihydroceramide desaturase 2; sphingolipid 4-desaturase; sphingolipid C4-hydroxylase/delta 4-desaturase; sphingolipid C4-monooxygenase; sphingolipid delta 4 desaturase/C-4 hydroxylase; sphingolipid delta(4)-desaturase 2; sphingolipid delta(4)-desaturase/C4-hydroxylase DES2; Delta 4-desaturase, sphingolipid 2

### Gene ID

123099

### UniProt ID

Q6QHC5

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