

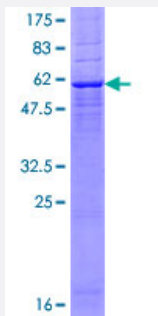
Full-Length

DEGS1 (Human) Recombinant Protein (P01)

Catalog # H00008560-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DEGS1 full-length ORF (NP_003667.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGSRVSREDFEWVYTDQPHADRRREILAKYPEIKSLMKPDPNLWIIIMMVLTLGLGAFYVKDLDWK
WVIFGAYAFGSCINHSMTLAIHEIAHNAAFGNCKAMWNRWFGMFANLPIGIPYSISFKRYHMDHHRY
LGADGVDVDIPTDFEGWFFCTAFRKFIVVILQPLFYAFRPLFINPKPITYLEVINTVAQVTFDILYYFL
GIKSLVYMLAASLLGLGLHPISGHFIAEHYMFLLKGHETYSYGPLNLLTFNVGYHNEHHDFPNIPGKS
LPLVRKIAAEYYDNLPHYNSWIKVLYDFVMDDTISPYSRMKRHQKGEMVLE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.3

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 — DEGS1

Entrez GeneID [8560](#)

GeneBank Accession# [NM_003676.2](#)

Protein Accession# [NP_003667.1](#)

Gene Name DEGS1

Gene Alias DEGS, DES1, Des-1, FADS7, MGC5079, MIG15, MLD

Gene Description degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the membrane fatty acid desaturase family which is responsible for inserting double bonds into specific positions in fatty acids. This protein contains three His-containing consensus motifs that are characteristic of a group of membrane fatty acid desaturases. It is predicted to be a multiple membrane-spanning protein localized to the endoplasmic reticulum. Overexpression of this gene inhibited biosynthesis of the EGF receptor, suggesting a possible role of a fatty acid desaturase in regulating biosynthetic processing of the EGF receptor. Two splice variants have been identified. [provided by RefSeq]

Other Designations OTTHUMP00000035598|degenerative spermatocyte homolog 1, lipid desaturase|degenerative spermatocyte homolog, lipid desaturase|dihydroceramide desaturase|membrane fatty acid (lipid) desaturase|migration-inducing gene 15 protein|sphingolipid delta 4 desaturase

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)