

Product datasheet for **TP312803**

DEGS1 (NM_003676) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human degenerative spermatocyte homolog 1, lipid desaturase (Drosophila) (DEGS1), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC212803 protein sequence Red =Cloning site Green =Tags(s) |

MGSRVSREDFEWVYTDQPHADRRREILAKYPEIKSLMKPDPNLIWIIIMMVLTLQGFYIVKDLWDKWWI
FGAYAFGSCINHSMTLAIHEIAHNAAFGNCKAMWNRWFGMFANLPIGIPYSISFKRYHMDHHRYLGDGV
DVDIPTDFEGWFFCTAFRKFIVVILQPLFYAFRPLFINPKPITYLEVINTVAQVTFDILIIYFLGKSLV
YMLAASLLGLGLHPISGHFIAEHYMFLLKGHETYSYGPLNLLTFNVGYHNEHDFPNIPGKSLPLVRKIA
AEYYDNLPHYNSWIKVLYDFVMDDTISPYSRMKRHQKGMVLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 37.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_003667 |
| Locus ID: | 8560 |



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UniProt ID: [O15121](#), [A0A024R3P1](#)

RefSeq Size: 2101

Cytogenetics: 1q42.11

RefSeq ORF: 969

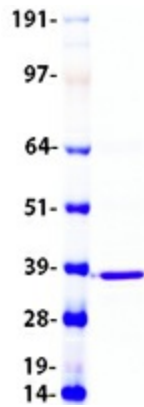
Synonyms: DEGS; DEGS-1; Des-1; DES1; FADS7; HLD18; MIG15; MLD

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. [provided by RefSeq, Mar 2010]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, Sphingolipid metabolism

Product images:



Coomassie blue staining of purified DEGS1 protein (Cat# TP312803). The protein was produced from HEK293T cells transfected with DEGS1 cDNA clone (Cat# [RC212803]) using MegaTran 2.0 (Cat# [TT210002]).