

Product datasheet for PH312803

DEGS1 (NM_003676) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DEGS1 MS Standard C13 and N15-labeled recombinant protein (NP_003667)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212803
Predicted MW:	37.9 kDa
Protein Sequence:	>RC212803 protein sequence Red=Cloning site Green=Tags(s)

MGRSVSREDFEWVYTDQPHADRRREILAKYPEIKSLMKPDPNLIWIIIMMVLTLQGFYIVKDLDWKWI
FGAYAFGSCINHSMTLAIHEIAHNAAFGNCKAMWNRWFGMFANLPIGIPYSISFKRYHMDHRYLGADGV
DVDIPTDFEGWFFCTAFRKFIVWILQPLFYAFRPLFINPKPITYLEVINTVAQVTFDILIIYYFLGIKSLV
YMLAASLLGLGLHPISGHFIAEHYMFLLKGHETYSYGGPLNLLTFNVGYHNEHDFPNIPGKSLPLVRKIA
AEYYDNLPHYNSWIKVLYDFVMDDTISPYSRMKRHRQKGMVLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003667
RefSeq Size:	2101
RefSeq ORF:	969
Synonyms:	DEGS; DEGS-1; Des-1; DES1; FADS7; HLD18; MIG15; MLD
Locus ID:	8560



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

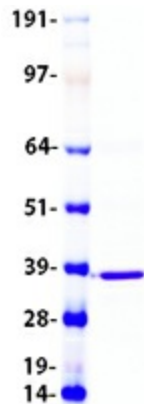
Cytogenetics: 1q42.11

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]).