

Recombinant Human DEGS1 Protein, GST-tagged

Cat. No. DEGS1-2527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEGS1 full-length ORF (NP_003667.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	64.3 kDa
AA Sequence	MGSRVSRDFEWVYTDQPHADRRREILAKYPEIKSLMKPDPNLIWIIIMMVLTLQLGAF YIVKDLDWKWWIFGAYAFGSCINHSMTLAIHEIAHNAAFNGCKAMWNRWFGMFANL PIGIPYSISFKRYHMDHHRYL GADGVDVDIPTDFEGWFFCTAFRKFIWVILQPLFYAF RPLFINPKPITYLEVINTVAQVTFDILIIYYFLGIKSLVYMLAASLLGLGLHPISGHFIAEHY MFLKGHETYSYYGPLNLLTFNVGYHNEHDFPNIPGKSLPLVRKIAAEYYDNLPHYN SWIKVLYDFVMDDTISPYSRMKRHQKGEMVLE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DEGS1 delta(4)-desaturase, sphingolipid 1 [Homo sapiens]
Official Symbol	DEGS1
Synonyms	DEGS1; delta(4)-desaturase, sphingolipid 1; degenerative spermatocyte homolog 1, lipid desaturase (Drosophila); sphingolipid delta(4)-desaturase DES1; DEGS 1; Des 1; DES1; FADS7; MLD; sphingolipid delta(4) desaturase 1; membrane lipid desaturase; dihydroceramide desaturase; sphingolipid delta 4 desaturase; migration-inducing gene 15 protein; sphingolipid delta(4)-desaturase 1; membrane fatty acid (lipid) desaturase; cell migration-inducing gene 15 protein; degenerative spermatocyte homolog, lipid desaturase; degenerative spermatocyte homolog 1, lipid desaturase; DEGS; Des-1; MIG15; DEGS-1; MGC5079;
Gene ID	8560
mRNA Refseq	NM_003676
Protein Refseq	NP_003667

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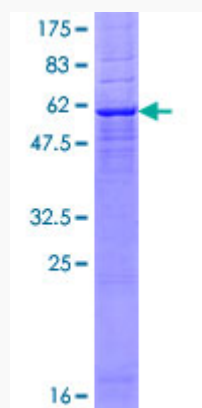
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MIM 615843

UniProt ID O15121

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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