

Recombinant Human DEGS2 Protein, GST-tagged

Cat. No. DEGS2-5212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEGS2 full-length ORF (NP_996801.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a 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. [provided by RefSeq, Oct 2008]
Molecular Mass	63.6 kDa
AA Sequence	MGNSASRSDFEWWYTDQPHTQRRKEILAKYPAIKALMRPDPRLKWAVLVLVLVQML TCWLVRGLAWRWLLFWAYAFGGCVNHSLTLAIHDISHNAAFGTGRAARNRWLAVF ANLPVGVPYAAASFKKYHVDHHRYLGGDGLDVPTRLEGWFFCTPARKLLWLVLQ PFFYSLRPLCVHPKAVTRMEVLNTLVQLAADLAIFALWGLKPVVYLLASSFLGLGLHP ISGHFVAEHYMFLLKGHETYSYYGPLNWIWFNVGYHVEHHDFPSIPGYNLPLVRKIAPE YYDHLPQHHSWVKVLWDFVFEDSLGPYARVKRVYRLAKDGL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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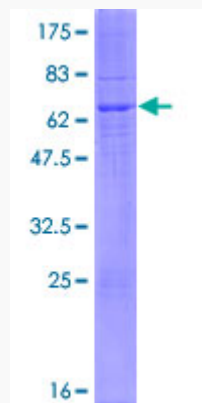
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DEGS2 delta 4-desaturase, sphingolipid 2 [Homo sapiens (human)]
Official Symbol	DEGS2
Synonyms	DEGS2; delta 4-desaturase, sphingolipid 2; 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; EC 1.14.18.5; EC 1.14.19.17
Gene ID	123099
mRNA Refseq	NM_206918
Protein Refseq	NP_996801
MIM	610862
UniProt ID	Q6QHC5

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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