

Recombinant Human FADS3 Protein, GST-tagged

Cat. No. FADS3-3645H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FADS3 full-length ORF (NP_068373.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members FADS1 and FADS2 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. [provided by RefSeq, Jul 2008]
Molecular Mass	77.5 kDa
AA Sequence	MGGVGEPGPREGPAQPGAPLPTFCWEQIRAHDPGDKWLVIERRVYDISRWAQR HPGGSRLIGHHGAEDATDAFRAFHQDLNFVRKFLQPLLIGELAPEEPSQDGPLNAQL VEDFRALHQAEDMKLFDASPTFFAFLGHILAMEVLAWLLIYLLGPGWVPSALAAFI LAISQAQSWCLQHDLGHASIFKKSWWNHVAQKFVMGQLKGFSAHWWNFRHFQHH AKPNIFHKDPDVTAPVFLLGESSVEYGKKKRRYLPYNQQHLYFFLIGPPLLTLVNFE

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VENLAYMLVCMQWADLLWAASFYARFFLSYLPFYGVPGVLLFFVAVRVLESHWFV
WITQMNHIPPKEIGHEKHRDWVSSQLAATCNVEPSLFTNWFSGHLNFQIEHHLFPRM
PRHNYSRVAPLVKSLCAKHGLSYEVKPFLTALVDIVRSLKKSGDIWLDAYLHQ

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

FADS3 fatty acid desaturase 3 [Homo sapiens]

Official Symbol

FADS3

Synonyms

FADS3; fatty acid desaturase 3; LLCDL3; CYB5RP; delta 9 desaturase; delta-9-desaturase; cytochrome b5-related protein; delta-9 fatty acid desaturase; linoleoyl-CoA desaturase (delta-9-desaturase)-like 3;

Gene ID

3995

mRNA Refseq

NM_021727

Protein Refseq

NP_068373

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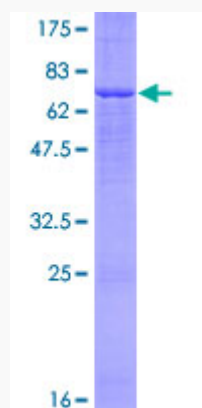
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MIM 606150

UniProt ID Q9Y5Q0

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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