

Recombinant Human FADS1 protein, GST-tagged

Cat. No. FADS1-28817H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FADS1(1 a.a. - 444 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 444 a.a.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	74.47 kDa
AA Sequence	<p>MAPDPVAAETA AQGPTPRYFTWDEVAQRSGCEERWLVIDRKVYNISEFTRRHPGG SRVISHYAGQDATDPFVAFH INKGLVKKYMNSLLIGELSPEQPSFEPTKNKELTDEF REL RATVERMGLMKANHVFFLLYLLHILLLDGAAWLTLL WVFGTSFLPFLLCAVLLSAV QAQAGWLQHQDFGHLSVFSTSKWNHLLHHFVIGHLKGAPASWWNHMHFQHHAKPN C FRKDPDINMHPFFFALGKILSVELGKQKKKYMPYNHQHKYFFLIGPSALLPLYFQW YIFYFVIQRKKWVDLAWMI TFYVRFLLTYVPLLGLKAFGLFFIVRFLESNWFVWVTQ MNHIPMHIDHNRNMDWVSTQLQATCNVHKSADFNDWF SGHLNFQIEHHLFPTMPRH NYHKVAPLVQSLCAKHGIEYQSKPLLSAFADIIHSLKESGQLWLDDAYLHQ</p>
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.
GENE INFORMATION	
Gene Name	FADS1 fatty acid desaturase 1 [Homo sapiens]
Official Symbol	FADS1
Synonyms	FADS1; fatty acid desaturase 1; LLCDL1; D5D; delta 5 desaturase; FADS6; FADSD5; TU12; delta-5 desaturase; delta(5) desaturase; delta-5 fatty acid desaturase; delta(5) fatty acid desaturase; linoleoyl-CoA desaturase (delta-6-desaturase)-like 1; FLJ38956; FLJ90273;
Gene ID	3992
mRNA Refseq	NM_013402
Protein Refseq	NP_037534
MIM	606148
UniProt ID	O60427
Chromosome Location	11q12-q13.1
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific

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biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;
PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid
Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha),
organism-specific biosystem;

Function

C-5 sterol desaturase activity; heme binding; oxidoreductase activity;

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