

Recombinant Human FADS3 Protein, His-tagged

Cat. No. FADS3-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FADS3(Glu331~Gln445) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu331~Gln445
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	17.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

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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MIM	606150
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UniProt ID	Q9Y5Q0
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