

Recombinant Human FADS3 Protein (Glu331-Gln445), His tagged

Cat. No. FADS3-3605H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FADS3 (Glu331-Gln445) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu331-Gln445
Description	Acts as a methyl-end fatty acyl coenzyme A (CoA) desaturase that introduces a cis double bond between the preexisting double bond and the terminal methyl group of the fatty acyl chain. Desaturates (11E) -octadecenoate (trans-vaccenoate) at carbon 13 to generate (11E, 13Z) -octadecadienoate, likely participating in the biohydrogenation pathway of linoleic acid (LA) (18:2n-6).
Molecular Mass	15.02 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	FADS3 fatty acid desaturase 3 [Homo sapiens (human)]
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
MIM	606150
UniProt ID	Q9Y5Q0

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