

## Recombinant Human FADS3 Protein, His-tagged

FADS3-226H Human

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.

#### 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.

#### Source

E. coli

#### Species

Human

#### Tag

His

#### Form

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

#### Molecular Mass

17.2kDa

#### Protein length

Glu331~Gln445

#### Endotoxin

<1.0EU per 1µg (determined by the LAL method)

#### 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 \[ Homo sapiens \]](#)

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<b>Official Symbol</b>	<a href="#">FADS3</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3995</a>
<b>mRNA Refseq</b>	<a href="#">NM_021727</a>
<b>Protein Refseq</b>	<a href="#">NP_068373</a>
<b>MIM</b>	<a href="#">606150</a>
<b>UniProt ID</b>	<a href="#">Q9Y5Q0</a>

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