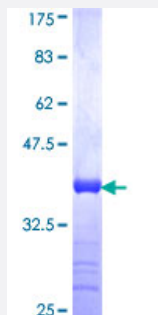


# FADS3 (Human) Recombinant Protein (Q01)

Catalog # H00003995-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human FADS3 partial ORF ( NP_068373, 16 a.a. - 113 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	PGAPLPTFCWEQIRAHDQPGDKWLVIERRVYDISRWAQRHPGGSRLIGHHGAEDATDAFRAFHQ DLNFVRKFLQPLLIGELAPEEPSQDGPLNAQLVE
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.52
<b>Interspecies Antigen Sequence</b>	Mouse (90); Rat (89)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FADS3

Entrez GeneID [3995](#)

GeneBank Accession# [NM\\_021727](#)

Protein Accession# [NP\\_068373](#)

Gene Name FADS3

Gene Alias CYB5RP, LLCDL3

Gene Description fatty acid desaturase 3

Omim ID [606150](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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]

**Other Designations**

delta-9 fatty acid desaturase|delta-9-desaturase|linoleoyl-CoA desaturase (delta-9-desaturase)-like 3

## Disease

- [Cardiovascular Diseases](#)

- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Syndrome](#)