



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## FADS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00003992-T02

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

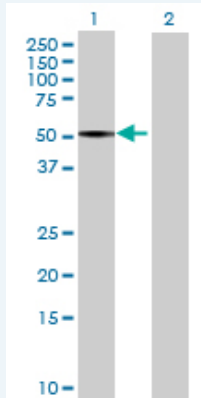
**Plasmid:** pCMV-FADS1 full-length

**Host:** Human

**Theoretical MW (kDa):** 48.95

**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-FADS1 antibody ([H00003992-B02](#)) by Western Blots.

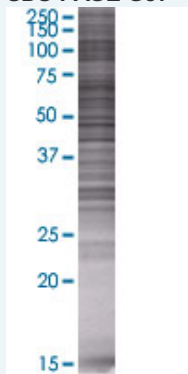
#### Western Blot



Lane 1: FADS1 transfected lysate ( 48.95 KDa)

Lane 2: Non-transfected lysate.

#### SDS-PAGE Gel



FADS1 transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [3992](#)

GeneBank [NM\\_013402.3](#)  
Accession#:

Protein [NP\\_037534.2](#)  
Accession#:

Gene Name: FADS1

Gene Alias: D5D,FADS6,FADSD5,FLJ38956,FLJ90273,LLCDL1,TU12

Gene Description: fatty acid desaturase 1

Omim ID: [606148](#)

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(5) desaturase,delta-5 desaturase,delta-5 fatty acid desaturase,linoleoyl-CoA desaturase (delta-6-desaturase)-like 1

### Gene Pathway

[Biosynthesis of unsaturated fatty acids](#)

### Related Disease

[Attention Deficit Disorder with Hyperactivity](#) [Cardiovascular Diseases](#) [Cognition](#) [Coronary Artery Disease](#) [Depression](#), [Postpartum Depressive Disorder](#) [Dermatitis](#), [Atopic](#) [Diabetes Mellitus](#), [Type 2 Dyslipidemias](#) [Edema](#) [Genetic Predisposition to Disease](#) [Hyperlipidemia](#), [Familial Combined Hypersensitivity](#) [Inflammation](#) [Macular Degeneration](#) [Neoplasms](#) [Rhinitis](#) [Syndrome](#)