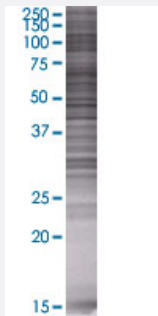


FADS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003992-T02

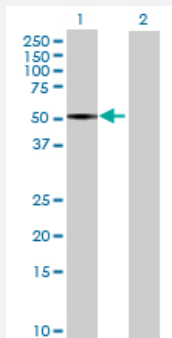
Size 100 uL

Applications



SDS-PAGE Gel

FADS1 transfected lysate.



Western Blot

Lane 1: FADS1 transfected lysate (48.95 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-FADS1 full-length
Host	Human
Theoretical MW (kDa)	48.95
Interspecies Antigen Sequence	Mouse (88); Rat (89)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-FADS1 antibody ([H00003992-B02](#)) by Western Blots.
SDS-PAGE Gel
FADS1 transfected lysate.
Western Blot
Lane 1: FADS1 transfected lysate (48.95 KDa)
Lane 2: Non-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.

Applications

- Western Blot

Gene Info — FADS1

Entrez GeneID

[3992](#)

GeneBank Accession#

[NM_013402.3](#)

Protein Accession#

[NP_037534.2](#)

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

Pathway

- [Biosynthesis of unsaturated fatty acids](#)

Disease

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