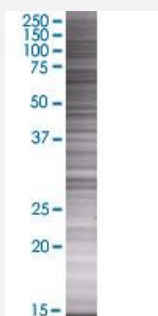


ACSL5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00051703-T01

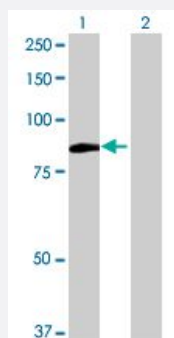
Size 100 uL

Applications



SDS-PAGE Gel

ACSL5 transfected lysate.



Western Blot

Lane 1: ACSL5 transfected lysate (81.4 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACSL5 full-length
Host	Human
Theoretical MW (kDa)	81.4
Interspecies Antigen Sequence	Mouse (81); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACSL5 antibody ([H00051703-B01](#)) by Western Blots.
SDS-PAGE Gel
ACSL5 transfected lysate.
Western Blot
Lane 1: ACSL5 transfected lysate (81.4 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 — ACSL5

Entrez GeneID[51703](#)**GeneBank Accession#**[NM_016234.3](#)**Protein Accession#**[NP_057318.2](#)**Gene Name**

ACSL5

Gene Alias

ACS2, ACS5, FACL5

Gene Description

acyl-CoA synthetase long-chain family member 5

Omim ID[605677](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

FACL5 for fatty acid coenzyme A ligase 5|OTTHUMP00000020489|OTTHUMP00000020490|fatty acid coenzyme A ligase 5|fatty-acid-Coenzyme A ligase, long-chain 5|long-chain acyl-CoA synthetase 5|long-chain fatty acid coenzyme A ligase 5

Pathway

- [Adipocytokine signaling pathway](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)