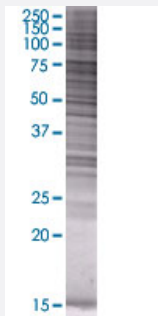


ACSL3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002181-T01

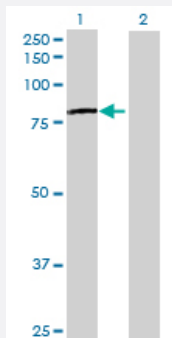
Size 100 uL

Applications



SDS-PAGE Gel

ACSL3 transfected lysate.



Western Blot

Lane 1: ACSL3 transfected lysate (79.31 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-ACSL3 full-length

Host Human

Theoretical MW (kDa) 79.31

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACSL3 antibody ([H00002181-B01](#)) by Western Blots.

SDS-PAGE Gel

ACSL3 transfected lysate.

Western Blot

Lane 1: ACSL3 transfected lysate (79.31 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 — ACSL3

Entrez GeneID	2181
GeneBank Accession#	NM_004457.3
Protein Accession#	NP_004448.2
Gene Name	ACSL3
Gene Alias	ACS3, FACL3, PRO2194
Gene Description	acyl-CoA synthetase long-chain family member 3
Omim ID	602371
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 brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000164212 fatty-acid-Coenzyme A ligase, long-chain 3 lignoceroyl-CoA synthase

Pathway

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

- [PPAR signaling pathway](#)