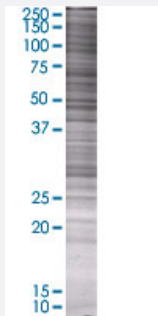


SOAT1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006646-T01

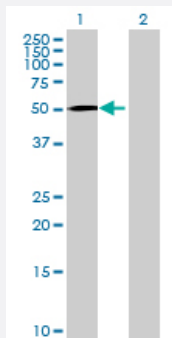
Size 100 uL

Applications



SDS-PAGE Gel

SOAT1 transfected lysate.



Western Blot

Lane 1: SOAT1 transfected lysate (60.61 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SOAT1 full-length
Host	Human
Theoretical MW (kDa)	60.61
Interspecies Antigen Sequence	Mouse (86); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-SOAT1 antibody ([H00006646-B01](#)) by Western Blots.
SDS-PAGE Gel
SOAT1 transfected lysate.
Western Blot
Lane 1: SOAT1 transfected lysate (60.61 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 — SOAT1

Entrez GeneID[6646](#)**GeneBank Accession#**[NM_003101.4](#)**Protein Accession#**[NP_003092.4](#)**Gene Name**

SOAT1

Gene Alias

ACACT, ACAT, ACAT1, RP11-215I23.2, SOAT, STAT

Gene Description

sterol O-acyltransferase 1

Omim ID[102642](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Acyl-coenzyme A:cholesterol acyltransferase (ACACT; EC 2.3.1.26) is an intracellular protein located in the endoplasmic reticulum that forms cholesterol esters from cholesterol. Accumulation of cholesterol esters as cytoplasmic lipid droplets within macrophages and smooth muscle cells is a characteristic feature of the early stages of atherosclerotic plaques (Cadigan et al., 1988 [PubMed 3335499]).[supplied by OMIM]

Other Designations

acyl-Coenzyme A: cholesterol acyltransferase|sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1

Pathway

- [Steroid biosynthesis](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Delirium](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Wechsler Scales](#)