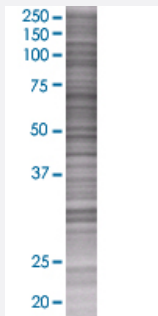


# MCAT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00027349-T01

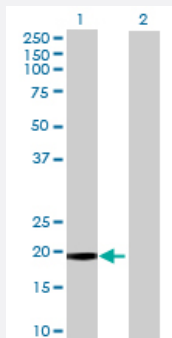
Size 100 uL

## Applications



### SDS-PAGE Gel

MCAT transfected lysate.



### Western Blot

Lane 1: MCAT transfected lysate ( 19.91 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-MCAT full-length
Host	Human
Theoretical MW (kDa)	19.91
Interspecies Antigen Sequence	Mouse (74); Rat (73)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MCAT antibody ([H00027349-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 MCAT transfected lysate.  
 Western Blot  
 Lane 1: MCAT transfected lysate ( 19.91 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 — MCAT

### Entrez GeneID

[27349](#)

### GeneBank Accession#

[NM\\_014507.2](#)

### Protein Accession#

[NP\\_055322.1](#)

### Gene Name

MCAT

### Gene Alias

FASN2C, MCT, MGC47838, MT, fabD

### Gene Description

malonyl CoA:ACP acyltransferase (mitochondrial)

### Gene Ontology

[Hyperlink](#)

### Gene Summary

The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

### Other Designations

malonyl-CoA:acyl carrier protein transacylase, mitochondrial|mitochondrial malonyltransferase

## Pathway

- [Fatty acid biosynthesis](#)

- [Metabolic pathways](#)

## Disease

- [Disease Susceptibility](#)
- [Kidney Failure](#)
- [Prostatic Neoplasms](#)