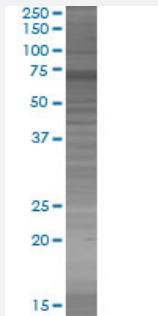


ACOX1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000051-T01

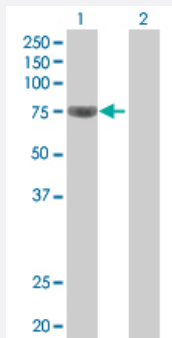
Size 100 uL

Applications



SDS-PAGE Gel

ACOX1 transfected lysate.



Western Blot

Lane 1: ACOX1 transfected lysate (74.7 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACOX1 full-length
Host	Human
Theoretical MW (kDa)	74.7
Interspecies Antigen Sequence	Mouse (88); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACOX1 antibody ([H00000051-B01](#)) by Western Blots.
SDS-PAGE Gel
ACOX1 transfected lysate.
Western Blot
Lane 1: ACOX1 transfected lysate (74.7 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 — ACOX1

Entrez GeneID[51](#)**GeneBank Accession#**[BC010425.1](#)**Protein Accession#**[-](#)**Gene Name**

ACOX1

Gene Alias

ACOX, MGC1198, PALMCOX, SCOX

Gene Description

acyl-Coenzyme A oxidase 1, palmitoyl

Omim ID[264470 609751](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

acyl-CoA oxidase, straight-chain|peroxisomal fatty acyl-CoA oxidase

Pathway

- [alpha-Linolenic acid metabolism](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of unsaturated fatty acids](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)