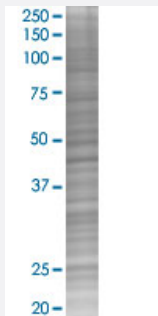


ACY1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000095-T02

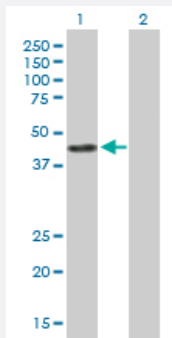
Size 100 uL

Applications



SDS-PAGE Gel

ACY1 transfected lysate.



Western Blot

Lane 1: ACY1 transfected lysate (45.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACY1 full-length
Host	Human
Theoretical MW (kDa)	45.9
Interspecies Antigen Sequence	Mouse (85); Rat (88)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACY1 antibody ([H00000095-B01P](#)) by Western Blots.
SDS-PAGE Gel
ACY1 transfected lysate.
Western Blot
Lane 1: ACY1 transfected lysate (45.90 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 — ACY1

Entrez GeneID[95](#)**GeneBank Accession#**[NM_000666.1](#)**Protein Accession#**[NP_000657.1](#)**Gene Name**

ACY1

Gene Alias

ACY1D, ACYLASE

Gene Description

aminoacylase 1

Omim ID[104620 609924](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Aminoacylase-1 is a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. ACY1 has been assigned to chromosome 3p 21.1, a region reduced to homozygosity in small-cell lung cancer (SCLC), and its expression has been reported to be reduced or undetectable in SCLC cell lines and tumors. The amino acid sequence of human aminoacylase-1 is highly homologous to the porcine counterpart, and ACY1 is the first member of a new family of zinc-binding enzymes. [provided by RefSeq]

Other Designations

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Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Metabolic pathways](#)