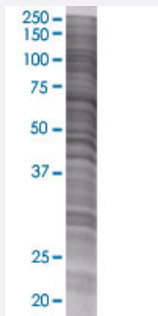


AARS 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000016-T01

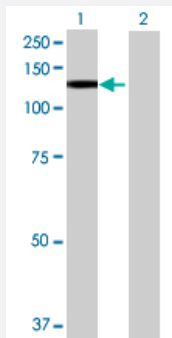
Size 100 uL

Applications



SDS-PAGE Gel

AARS transfected lysate.



Western Blot

Lane 1: AARS transfected lysate (106.59 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AARS full-length
Host	Human
Theoretical MW (kDa)	106.59
Interspecies Antigen Sequence	Mouse (96); Rat (95)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AARS antibody ([H00000016-B01](#)) by Western Blots.
 SDS-PAGE Gel
 AARS transfected lysate.
 Western Blot
 Lane 1: AARS transfected lysate (106.59 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 — AARS

Entrez GeneID

[16](#)

GeneBank Accession#

[NM_001605.2](#)

Protein Accession#

[NP_001596.2](#)

Gene Name

AARS

Gene Alias

-

Gene Description

alanyl-tRNA synthetase

Omim ID

[601065](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthetases, of the class II enzymes. Class II tRNA synthetases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthetases are the enzymes that interpret the RNA code and attach specific amino acids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T psi C helix of the tRNA, and a second domain which interacts with the rest of the tRNA structure. [provided by RefSeq]

Other Designations

alanine tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)