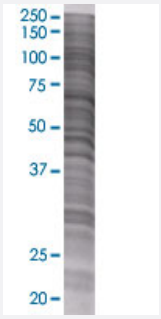
AARS 293T Cell Transient Overexpression Lysate(Denatured)

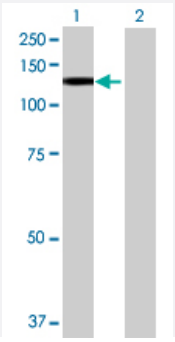
Catalog # H00000016-T01 Size 100 uL

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 synthases, of the class II enzymes. Class II tRNA synthases 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 witht the E.coli protein. tRNA synthases are the enzymes that interpret the RNA code and attach specific aminoacids 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