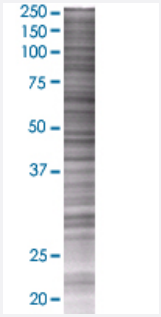
WARS2 293T Cell Transient Overexpression Lysate(Denatured)

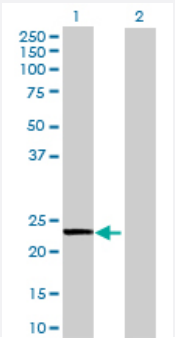
Catalog # H00010352-T01 Size 100 uL

Applications



SDS-PAGE Gel

WARS2 transfected lysate.



Western Blot

Lane 1: WARS2 transfected lysate (24.31 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-WARS2 full-length
Host	Human
Theoretical MW (kDa)	24.31
Interspecies Antigen Sequence	Mouse (86); Rat (83)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-WARS2 antibody (H00010352-B01) by Western Blots. SDS-PAGE Gel WARS2 transfected lysate. Western Blot Lane 1: WARS2 transfected lysate (24.31 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 — WARS2

Entrez GeneID	10352
GeneBank Accession#	NM_201263.1
Protein Accession#	NP_957715.1
Gene Name	WARS2
Gene Alias	TrpRS
Gene Description	tryptophanyl tRNA synthetase 2, mitochondrial
Omim ID	604733
Gene Ontology	Hyperlink
Gene Summary	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. This gene encodes the mitochondrial tryptophanyl-tRNA synthetase. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000014272|OTTHUMP00000014273|mitochondrial tryptophanyl tRNA synthetase 2|tryptophan tRNA ligase 2, mitochondrial|tryptophan-tRNA ligase

Pathway

- Aminoacyl-tRNA biosynthesis
- Tryptophan metabolism