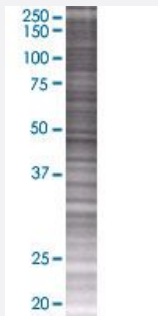


FARS2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010667-T01

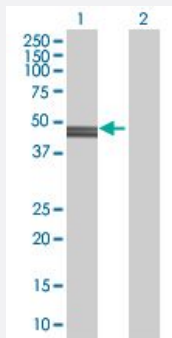
Size 100 uL

Applications



SDS-PAGE Gel

FARS2 transfected lysate.



Western Blot

Lane 1: FARS2 transfected lysate (49.72 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-FARS2 full-length
Host	Human
Theoretical MW (kDa)	49.72
Interspecies Antigen Sequence	Mouse (85); Rat (82)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-FARS2 antibody ([H00010667-B01](#)) by Western Blots.
SDS-PAGE Gel
FARS2 transfected lysate.
Western Blot
Lane 1: FARS2 transfected lysate (49.72 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 — FARS2

Entrez GeneID

[10667](#)

GeneBank Accession#

[NM_006567.2](#)

Protein Accession#

[NP_006558.1](#)

Gene Name

FARS2

Gene Alias

FARS1, HSPC320, PheRS, dJ520B18.2

Gene Description

phenylalanyl-tRNA synthetase 2, mitochondrial

Omim ID

[611592](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. This gene encodes a phenylalanine-tRNA synthetase (PheRS) localized to the mitochondrion which consists of a single polypeptide chain, unlike the (alpha-beta)₂ structure of the prokaryotic and eukaryotic cytoplasmic forms of PheRS. Structure analysis and catalytic properties indicate mitochondrial PheRSs may constitute a class of PheRS distinct from the enzymes found in prokaryotes and in the eukaryotic cytoplasm. [provided by RefSeq]

Other Designations

OTTHUMP00000015986|OTTHUMP00000039213|dJ236A3.1 (phenylalanine-tRNA synthetase)|dJ520B18.2 (FARS1 (phenylalanine-tRNA synthetase))|phenylalanine tRNA ligase 2, mitochondrial|phenylalanine translocase|phenylalanine--tRNA ligase|phenylalanine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)