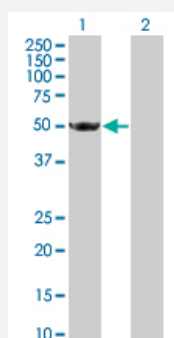


HARS 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003035-T01

Size 100 uL

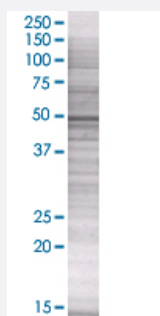
Applications



Western Blot

Lane 1: HARS transfected lysate (57.4 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

HARS transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-HARS full-length

Host Human

Theoretical MW (kDa) 56.1

Quality Control Testing Transient overexpression cell lysate was tested with Anti-HARS antibody ([H00003035-B01](#)) by Western Blots.
Western Blot
Lane 1: HARS transfected lysate (57.4 KDa)
Lane 2: Non-transfected lysate.
SDS-PAGE Gel
HARS 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 — HARS

Entrez GeneID[3035](#)**GeneBank Accession#**[NM_002109](#)**Protein Accession#**[NP_002100](#)**Gene Name**

HARS

Gene Alias

FLJ20491, HRS

Gene Description

histidyl-tRNA synthetase

Omim ID[142810](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. [provided by RefSeq]

Other Designations

HisRS|histidine tRNA ligase 1, cytoplasmic|histidine transylase|histidine-tRNA ligase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)