

Recombinant Human HARS2 Protein, GST-tagged

Cat. No. HARS2-4582H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HARSL partial ORF (NP_036340, 2 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is an enzyme belonging to the class II family of aminoacyl-tRNA synthetases. Functioning in the synthesis of histidyl-transfer RNA, the enzyme plays an accessory role in the regulation of protein biosynthesis. The gene is located in a head-to-head orientation with HARS on chromosome five, where the homologous genes share a bidirectional promoter. [provided by RefSeq]
Molecular Mass	37.73 kDa
AA Sequence	PLLGLLPRAWASLLSQLLRPPCASCTGAVRCQSQVAEAVLTSQKHAHQEKPNFIK TPKGTRDLSPQHVMVREKILDLVISCFKRHGAKGMDTPAFELKETLTEKYGE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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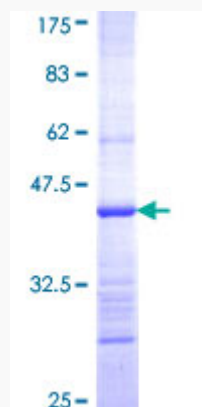
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HARS2 histidyl-tRNA synthetase 2, mitochondrial (putative) [Homo sapiens]
Official Symbol	HARS2
Synonyms	HARS2; histidyl-tRNA synthetase 2, mitochondrial (putative); HARSL, histidyl tRNA synthetase like; probable histidine--tRNA ligase, mitochondrial; HARSR; histidine tRNA ligase 2; mitochondrial (putative); HO3; hisRS; HARS-related; histidine transase; histidine-tRNA ligase homolog; probable histidyl-tRNA synthetase, mitochondrial; histidine tRNA ligase 2, mitochondrial (putative); HARSL;
Gene ID	23438
mRNA Refseq	NM_012208
Protein Refseq	NP_036340
MIM	600783
UniProt ID	P49590

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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