

Recombinant Human HARS protein, His-tagged

Cat. No. HARS-2231H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HARS protein(NP_002100.2)(Ala2-Cys509), fused with His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Ala2-Cys509
Form	Lyophilized from sterile 20 mM Tris, 200 mM NaCl, pH 7.5, 20 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human HARS consists of 527 amino acids and predicts a molecular mass of 59.6 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	HARS histidyl-tRNA synthetase [Homo sapiens]
Official Symbol	HARS
Synonyms	HARS; histidyl-tRNA synthetase; histidine--tRNA ligase, cytoplasmic; histidine tRNA ligase 1; cytoplasmic; HisRS; histidine translase; HRS; USH3B; FLJ20491;
Gene ID	3035
mRNA Refseq	NM_001258040
Protein Refseq	NP_001244969
MIM	142810
UniProt ID	P12081

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