

## HARS

## Recombinant Human Histidyl-tRNA Synthetase His

<b>Catalog No.</b>	CSI12717 CSI12718 CSI12719	<b>Quantity:</b>	5 µg 25 µg 1.0 mg
<b>Alternate Names:</b>	Histidyl-tRNA synthetase, Histidine-tRNA ligase, HisRS, HRS, USH3B		
<b>Description:</b>	<p>Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Histidyl-tRNA Synthetase 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. Histidyl-tRNA Synthetase is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis.</p> <p>Recombinant Human Histidyl-tRNA Synthetase produced in baculovirus is a single, glycosylated, polypeptide chain having a molecular mass of 58.3 kDa. It is fused to a 6x His Tag and purified by proprietary chromatographic techniques.</p>		
<b>Physical Appearance:</b>	Sterile Filtered clear solution.		
<b>Gene ID:</b>	3035		
<b>Source:</b>	Sf9 Insect Cells		
<b>Molecular Weight:</b>	58.3 kDa		
<b>Formulation:</b>	The protein solution contains 20 mM HEPES + 250 mM sodium chloride + 20% Glycerol, pH 7.5.		
<b>Purity:</b>	Greater than 90.0% as determined by SDS-PAGE.		
<b>Protein Content:</b>	Protein quantitation was carried out by using 0.25 - 2.0 mg/ml Bradford assay vs. BSA.		
<b>Applications:</b>	Western blot - Strongly reactive with human anti Histidyl-tRNA Synthetase antisera.		
<b>Storage &amp; Stability:</b>	Histidyl-tRNA Synthetase should be stored desiccated below -20°C. <b>Avoid repeated freeze-thaw cycles</b>		

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