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32-2426: HARS Recombinant Protein

Alternative Name : Histidyl-tRNA synthetase,EC 6.1.1.21,Histidine-tRNA ligase,HisRS,HRS,FLJ20491,JO-1,HARS.

Description

Source : Escherichia Coli. Histidyl-tRNA Synthetase Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 55 kDa. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by both:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein solution contains 500mM NaCl and 10mM Tris (pH 8.0) and 6M Urea.
Storage condition :	Histidyl-tRNA Synthetase although stable at 4°C for 3 weeks, should be stored below -18°C.Please prevent freeze-thaw cycles.