

HRS (Histidyl-tRNA synthetase)

Cat.NO.: TP02502

3th Edition

Synonyms:

Description: 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.

Form: 1X PBS(pH7.2) 200mM NaCl 20% Glycerol

Molecular Weight: 57kDa

Sequences:

Purity: > 95% by HPLC

Concentration: 0.50mg/ml

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.