

SPECIFICATION SHEET

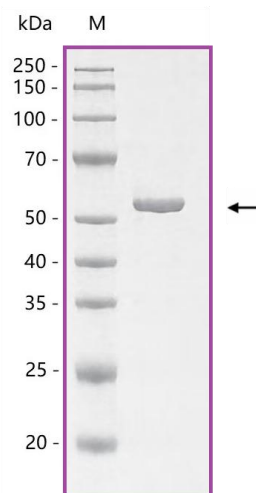
Product Name: Human Histidyl-tRNA-Synthetase (Jo-1) Antigen

Catalog # HHA01-F23N

Product Description: Recombinant Human Histidyl-tRNA Synthetase (Jo-1) Antigen is a tag-free protein was expressed by baculovirus in Sf9 insect cells. It is intended for use in autoimmune research and IVD assay development for the detection of anti-Jo-1 autoantibodies.

Storage and Stability: Store at -70°C . To avoid repeated handling and multiple freeze/thaw cycles, aliquot product into smaller quantities.

Alternate Names	: Histidyl-tRNA synthetase, Jo-1 Autoantigen, HisRS
Source	: <i>Homo Sapiens</i> (Human)
Host	: <i>Baculovirus-infected Sf9 insect cells</i>
Formulation	: Protein stored in 20 mM HEPES, pH 7.5, 250 mM NaCl, 20% Glycerol
Molecular Weight	: Calculated: 58 kDa Observed: ~55 kDa
Purity	: The purity was determined to be $\geq 85\%$ by densitometry
Gel Image	



References

1. Mathews MB, et al. Myositis autoantibody inhibits histidyl-tRNA synthetase: a model for autoimmunity. *Nature*. 1983;304(5922):177-179.
2. Dang CV, et al. Histidyl-tRNA synthetase, the myositis Jo-1 antigen, is cytoplasmic and unassociated with the cytoskeletal framework. *Exp Cell Res*. 1986;164(1):261-266.
3. Ramsden DA et al. Epitope mapping of the cloned human autoantigen, histidyl-tRNA synthetase. *J Immunol*. 1989;143(7):2267-2272.