



# Human Histidyl-tRNA Synthetase (Jo-1) [His] (DAG4859)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Nature</b>	Recombinant
<b>Expression System</b>	Insect cells
<b>Species</b>	Human
<b>Purity</b>	>90% as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	WB, ELISA
<b>Molecular Weight</b>	58 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	50 µg
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	Histidyl-tRNA synthetase is a member of the aminoacyl-tRNA synthetase family, key enzymes of protein biosynthesis which charge tRNA molecules with the respective amino acids. This 58 kDa protein is an autoantigen recognized by Jo-1 antibodies which occur in 33% of patients with polymyositis and dermatomyositis. Jo-1 antibodies indicate an increased risk for lung
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involvement, and the disease tends to take a severe course with poor response to therapy.

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**Keywords**

Histidyl-tRNA synthetase; Jo-1

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