

Bovine Histidyl-tRNA Synthetase 1 (HARS1) ELISA Kit-Sandwich

Cat. No.: EK11F961

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Histidyl-Trna Synthetase 1 (HARS1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Histidyl-Trna Synthetase 1 (HARS1) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine HARS1.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Bovine Histidyl-tRNA synthetase 1 is encoded by the *HARS1* gene in cattle. HARS1 catalyzes the covalent ligation of histidine to its cognate transfer RNA (tRNA). This process occurs as an early step in protein biosynthesis. HARS1 ensures that the correct amino acid (histidine) is attached to its corresponding tRNA before it's transported to the ribosome for protein synthesis. HARS1 shares a bidirectional promoter with another gene called HARS2 (also known as HO3). These two genes are oriented in a head-to-head configuration.

Target/Biomarker	Bovine HARS1
Target Synonym	histidyl-tRNA synthetase 1; HARS; HARSL; histidine--tRNA ligase, cytoplasmic; hisRS; histidyl-tRNA synthetase, cytoplasmic
Gene ID	510937
UniProt ID	Q2KI84

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.