

Human glycyl-tRNA synthetase ELISA Kit | GARS elisa kit

Human Glycyl-tRNA synthetase, GARS ELISA Kit

CATALOG #
AAA112390

REACTIVITY
Human

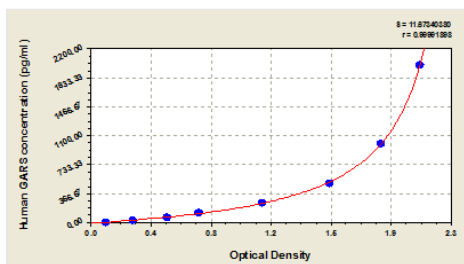
PRODUCT SYNONYMS

glycyl-tRNA synthetase; Human Glycyl-tRNA synthetase; GARS ELISA Kit; Human Glycyl-tRNA synthetase (GARS) ELISA kit; CMT2D; DSMAV; GlyRS; HMN5; SMAD1; Charcot-Marie-Tooth neuropathy 2D; Charcot-Marie-Tooth neuropathy; neuronal type; D; glycine tRNA ligase; GARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GARS. No significant cross-reactivity or interference between Human GARS and analogues was observed.
Sequence Length	739
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	7.81 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	Amino-acid biosynthesis and metabolism
Protein Biological Process 3	Protein biosynthesis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GARS elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GARS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GARS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GARS is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GARS bound in the initial step. The color development is stopped and the intensity of the color is measured
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116805340
NCBI GeneID	2617
NCBI Accession #	NP_002038.2
NCBI GenBank Nucleotide #	NM_002047.2
UniProt Accession #	P41250; Q969Y1; B3KQA2; B4DIA0
Molecular Weight	83,166 Da
NCBI Official Full Name	glycine--tRNA ligase
NCBI Official Synonym Full Names	glycyl-tRNA synthetase
NCBI Official Symbol	GARS
NCBI Official Synonym Symbols	HMN5; CMT2D; DSMAV; GlyRS; SMAD1
NCBI Protein Information	glycine--tRNA ligase; AP-4-A synthetase; glycine tRNA ligase; Charcot-Marie-Tooth neuropathy 2D; diadenosine tetraphosphate synthetase; Charcot-Marie-Tooth neuropathy, neuronal type, D
UniProt Protein Name	Glycine--tRNA ligase
UniProt Gene Name	GARS
UniProt Synonym Gene Names	AP-4-A synthetase; GlyRS
UniProt Entry Name	SYG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gars-human-elisa-kits/glycyl-trna-synthetase/112390>