

Human Probable Asparaginyl-tRNA Synthetase, Mitochondrial (NARS2) ELISA Kit | NARS2 elisa kit

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CATALOG # AAA331539	REACTIVITY Human
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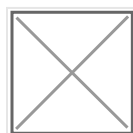
PRODUCT SYNONYMS

Probable Asparaginyl-tRNA Synthetase; Mitochondrial (NARS2); Human Probable Asparaginyl-tRNA Synthetase; Mitochondrial (NARS2) ELISA Kit; NARS2; FLJ23441; SLM5; asparagine tRNA ligase 2; mitochondrial (putative); asparaginyl-tRNA synthetase 2; mitochondrial; NARS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Probable asparaginyl-tRNA synthetase, mitochondrial (NARS2) ELISA Kit has high sensitivity and excellent specificity for detection of Human NARS2. No significant cross-reactivity or interference between Human NARS2 and analogues was observed.
Sequence Length	477
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Probable asparaginyl-tRNA synthetase, mitochondrial (NARS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NARS2 elisa kit	Description: This Human Probable asparaginyl-tRNA synthetase, mitochondrial (NARS2) ELISA Kit employs a two-site sandwich ELISA to quantitate NARS2 in samples. An antibody specific for NARS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NARS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NARS2 is added to the wells. After washing, Streptavidin 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 NARS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NARS2 encodes a putative member of the class II family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of asparagine to tRNA molecules. Mutations in NARS2 have been associated with combined oxidative phosphorylation deficiency 24 (COXPD24).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226491502
NCBI GeneID	79731
NCBI Accession #	NP_078954
NCBI GenBank Nucleotide #	NP_078954.4
UniProt Accession #	Q96I59
NCBI Official Full Name	probable asparagine--tRNA ligase, mitochondrial isoform 1
NCBI Official Synonym Full Names	asparaginyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	NARS2
NCBI Official Synonym Symbols	SLM5; asnRS; DFNB94
NCBI Protein Information	probable asparagine--tRNA ligase, mitochondrial
UniProt Protein Name	Probable asparagine--tRNA ligase, mitochondrial
UniProt Gene Name	NARS2
UniProt Synonym Gene Names	AsnRS
UniProt Entry Name	SYNM_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/human-elisa-kits/probable-asparaginyl-trna-synthetase-mitochondrial-nars2/331539>