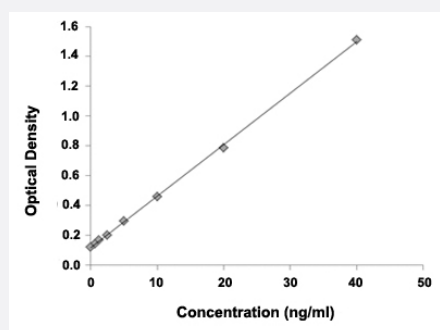


WARS (Human) ELISA Kit

Catalog # KA4174 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	WARS (Human) ELISA Kit is a sandwich enzymelinked immunosorbent assay for the quantificaiton o f human WARS.
Suitable Sample	Cell Lysate and Serum
Sample Volume	100 ul
Label	HRP-conjugate
Detection Method	Colorimetric
Calibration Range	0.625 to 40 ng/mL
Limit of Detection	0.45 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of demonstration only and should not be used to calculate unkn owns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store kit at -20°C.

Applications

- Quantification

Gene Info — WARS

Entrez GeneID [7453](#)

Gene Name WARS

Gene Alias GAMMA-2, IFI53, IFP53

Gene Description tryptophanyl-tRNA synthetase

Omim ID [191050](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to the class I tRNA synthetase family. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations interferon-induced protein 53|tryptophan tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Tryptophan metabolism](#)

Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)