

[Go to Product page](#)

Datasheet for ABIN7319122

WARS Protein (His tag)

Overview

Quantity:	50 µg
Target:	WARS
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WARS protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human WARS/TrpRS Protein (His Tag)
Sequence:	Met 1-Gln471
Characteristics:	Recombinant Human Tryptophan--tRNA ligase, cytoplasmic is produced by our E.coli expression system and the target gene encoding Met1-Gln471 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	WARS
Alternative Name:	WARS/TrpRS (WARS Products)
Background:	Background: There exists two types of tryptophanyl tRNA synthetases, the cytoplasmic form called WARS, the mitochondrial form called WARS2. WARS catalyzes the aminoacylation of

Target Details

tRNA (trp) with tryptophan and is induced by interferon. WARS regulates ERK, Akt, eNOS activation pathway, which are related with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression.

Synonym: WARS also known as Tryptophanyl-tRNA synthetase, Interferon-induced protein 53.

Molecular Weight: 55.3 kDa

UniProt: [P23381](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.