

RP00509

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Recombinant Human WARS/TrpRS Protein

Catalog No.: RP00509

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	7453	P23381

Tags

N-6×His

Synonyms

GAMMA-2; IFI53; IFP53; WARS; IFI53; IFP53

Product Information

Source

<I>E. coli</I>

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

There exists two types of tryptophanyl tRNA synthetases, the cytoplasmic form called WARS, the mitochondrial form called WARS2. WARS catalyzes the aminoacylation of 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.

Basic Information

Description

Recombinant Human WARS/TrpRS Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Gln471) of human WARS/TrpRS (Accession #P23381) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage

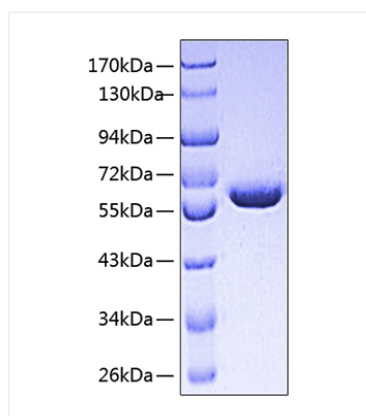
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human WARS/TrpRS Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.