

Product datasheet

# Recombinant Human Arginyl tRNA synthetase protein ab114873

1 Image

Overview

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**Product name** Recombinant Human Arginyl tRNA synthetase protein  
**Protein length** Full length protein

Description

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**Nature** Recombinant  
**Source** Wheat germ

Amino Acid Sequence

**Accession** [P54136](#)  
**Species** Human  
**Sequence** MDVLVSECSARLLQQEEEIKSLTAEIDRLKNCGCLGASPNLEQLQEENLK  
 LKYRLNLRKSLQAERNKPTKNMINIISRLQEVFGHAIKAAYPDLENPPL  
 LVTPSQQAKFGDYQCNSAMGISQMLKTKEQKVNPREIAENITKHLDPNEC  
 IEKVEIAGPGFINVHLRKDFVSEQLTSLLVNGVQLPALGENKKVMDFSS  
 PNIKEMHVGHLRSTIIGESISRLFEFAGYDVLRLNHVGDWGTQFGMLIA  
 HLQDKFPDYLVSPPIGDLQVFYKESKKRFDTEEEFKKRAYQCVVLLQGK  
 NPDITKAWKLCIDVSRQELNKIYDALDVSLIERGESFYQDRMNDVKEFE  
 DRGFVQVDDGRKIVFPGCSIPLTVKSDGGYTYDTSDLAAIKQRLFEEK  
 ADMIIYVDNGQSVHFQTIFAAAQMIGWYDPKVTRVVFHAGFGVVLGEDKK  
 KFKTRSGETVRLMDLLGEGLKRSMCLKKERDKVLTAEELNAAQTSVAY  
 GCIKYADLSHNRLNDYIFSFDKMLDDRGNTAAYLLYAFTRIRSIARLANI  
 DEEMLQKAARETKILLDHEKEWKLGRCILRFPEILQKILDDFLHTLCDY  
 IYELATAFTEFYDSCYCVKDRQTGKILKVNMMWRMLLCEAVAAMAKGFD  
 ILGIKPVQRM  
**Molecular weight** 99 kDa including tags  
**Amino acids** 1 to 660

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab114873** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA SDS-PAGE Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml Best use within three months from the date of receipt of this protein.

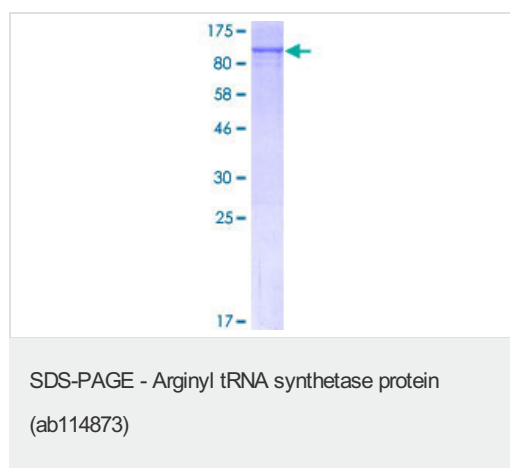
## Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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## General Info

<b>Function</b>	Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis. Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1.
<b>Sequence similarities</b>	Belongs to the class-I aminoacyl-tRNA synthetase family.
<b>Domain</b>	The N-terminus (AA 1-72) has two regions predicted to be alpha-helical that might be involved in the multisynthetase complex assembly.
<b>Cellular localization</b>	Cytoplasm.

## Images



12.5% SDS-PAGE showing ab114873 at approximately 98.71 kDa.  
Stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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