

Product datasheet

Recombinant Human Arginyl tRNA synthetase protein ab114873

1 Image

Overview

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

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	P54136
Species	Human
Sequence	MDVLVSECSARLLQQEEEIKSLTAEIDRLKNCGCLGASPNLEQLQEENLK LKYRLNLRKSLQAERNKPTKNMINIISRLQEVFGHAIKAAYPDLENPPL LVTPSQQAKFGDYQCNSAMGISQMLKTKEQKVNPREIAENITKHLDPNEC IEKVEIAGPGFINVHLRKDFVSEQLTSLLVNGVQLPALGENKKVVMDFSS PNIKEMHVGHLRSTIIGESISRLFEFAGYDVLRLNHVGDWGTQFGMLIA HLQDKFPDYLVSPPIGDLQVFYKESKKRFDTEEEFKKRAYQCVVLLQGK NPDITKAWKLCIDVSRQELNKIYDALDVSLIERGESFYQDRMNDVKEFE DRGFVQVDDGRKIVFPGCSIPLTVKSDGGYTYDTSDLAAIKQRLFEEK ADMIIYVDNGQSVHFQTIFAAAQMIGWYDPKVTRVVFHAGFGVVLGEDKK KFKTRSGETVRLMDLLGEGLKRSMCLKKERDKVLTAEELNAAQTSVAY GCIKYADLSHNRLNDYIFSFDKMLDDRGNTAAYLLYAFTRIRSIARLANI DEEMLQKAARETKILLDHEKEWKLGRCLRFPEILQKILDDFLHTLCDY YELATAFTEFYDSCYCVKDRQTGKILKVNMMWRMLLCEAVAAMAKGFD ILGIKPVQRM
Molecular weight	99 kDa including tags
Amino acids	1 to 660

Specifications

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.

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

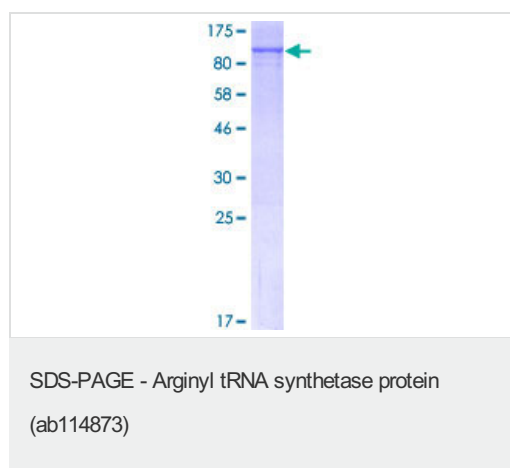
Preparation and Storage

Stability and Storage	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

Function	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.
Sequence similarities	Belongs to the class-I aminoacyl-tRNA synthetase family.
Domain	The N-terminus (AA 1-72) has two regions predicted to be alpha-helical that might be involved in the multisynthetase complex assembly.
Cellular localization	Cytoplasm.

Images



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

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