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AAMDC Human

Adipogenesis Associated, Mth938 Domain Containing Human Recombinant
RCP0003

Product Overview

Name	AAMDC Human

Description

Adipogenesis Associated, Mth938 Domain Containing Human Recombinant

Accession (Primary)	Q9H7C9

Synonyms

Alanyl-tRNA synthetase cytoplasmic, EC 6.1.1.7, Alanine-tRNA ligase, AlaRS, Renal carcinoma antigen NY-REN-42, PL-12, AARS.

Introduction

Alanyl-tRNA synthetase is a member of the aminoacyl-tRNA synthetase family, key enzymes of protein biosynthesis which charge tRNA molecules with the respective amino acids. This 108 kDa protein is an autoantigen recognized by PL-12 antibodies which occur in a subset of patients with polymyositis and dermatomyositis. Preliminary data suggest that epitope spreading occurs in the autoimmune PL-12 response such that even antibodies to an isolated alanyl-tRNA molecule can develop.

Source

Sf9 insect cells.

Physical Appearance

Sterile Filtered clear solution.

Formulation

AARS is supplied in 20mM HEPES buffer pH-8, 250mM sodium chloride, and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Purity

AARS purity is greater than 95% as determined by SDS-PAGE.

Immunological functions

1. Binds IgG-type human auto-antibodies. 2. Standard ELISA test (checker-board analysis of positive/negative sampels).

Coating concentration

0.3-0.8 µg/ml (depending on the type of ELISA plate and coating buffer).Suitable for labeling of functional groups.

Precautions

AAMDC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9H7C9)