
Product Data Sheet

Product Name: AARS Human
Cat. No.: GP21322
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Alanyl-tRNA synthetase cytoplasmic; EC 6.1.1.7; Alanine-tRNA ligase; AlaRS; Renal carcinoma antigen NY-REN-42; PL-12; AARS.		
Formulation	AARS is supplied in 16mM HEPES buffer pH-8, 250mM sodium chloride, and 20% glycerol.		

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.

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.

Background

AARSHuman Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 107,598 Dalton. AARS is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA