
Product Data Sheet

Product Name: TARS Human, Sf9
Cat. No.: GP22283
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Threonyl-tRNA synthetase cytoplasmic; EC 6.1.1.3; Threonine-tRNA ligase; ThrRS; MGC9344; PL-7; TARS.		
Formulation	TARS is supplied in 20mM HEPES buffer pH-8, 200mM sodium chloride, and 20% glycerol.		

Introduction

Threonyl-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 83 kDa protein is an autoantigen recognized by PL-7 antibodies which occur in a subset of patients with polymyositis and dermatomyositis. Preliminary data suggest that PL-7 antibodies (similar to Jo-1 antibodies) indicate an increased risk for lung involvement, but this needs to be confirmed for a larger number of cases.

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

TARSHuman Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 83,312 Dalton. TARS 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.

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