

PL 7 Human

Description: Threonyl-tRNA Synthetase Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 83,312 Dalton. PL-7 is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.

Catalog #: ENPS-311

For research use only.

Synonyms: Threonyl-tRNA synthetase cytoplasmic, EC 6.1.1.3, Threonine-tRNA ligase, ThrRS, MGC9344, PL-7, TARS.

Source: Sf9 insect cells.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

PL-7 is supplied in 20mM HEPES buffer pH-8, 200mM sodium chloride, and 20% glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

Storage:

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.

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