

PL 12 Human

Description:Alanyl-tRNA synthetase Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 107,598 Dalton. PL-12 is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.

Catalog #:ENPS-312

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

For research use only.

Source:Sf9 insect cells.

Physical Appearance:Sterile Filtered clear solution.

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

Formulation:

PL-12 is supplied in 16mM HEPES buffer pH-8, 250mM 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:

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.

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.

To place an order, please [Click HERE](#).