

## 32-2673: PL 12 Recombinant Protein

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

### Description

Source : Sf9 insect cells. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** PL-12 is supplied in 16mM HEPES buffer pH-8, 250mM sodium chloride, and 20% glycerol.  
**Storage condition :** 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.

