

**AlaRS (Alanyl-tRNA synthetase)**

**Cat.NO.: TP01118**

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3th Edition

**Synonyms:**AlaRS, AARS.

**Description:**Alanyl-tRNA synthetase catalyzes the ligation of alanine with alanyl-tRNA using ATP. Catalyzes the attachment of alanine to tRNA(Ala) in a two-step reaction: alanine is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). Also edits incorrectly charged tRNA(Ala) via its editing domain.

**Form:**1X PBS(pH7.2) 200mM NaCl 20% Glycerol

**Molecular Weight:**106kDa

**Sequences:**

**Purity:**> 95% by HPLC

**Concentration:**0.50mg/ml

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.