

AlaRS (Alanyl-tRNA synthetase)

Cat.NO.: TP01118

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.