

LRS (Leucyl-tRNA synthetase)

Cat.NO.: TP02847

3th Edition

Synonyms:

Description:Leucyl tRNA synthetase is a component of multi-ARS complex and catalyzes the ligation of leucine with leucyl-tRNA. Catalyzes the specific attachment of an amino acid to its cognate tRNA in a two step reaction:the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. Exhibits a post-transfer editing activity to hydrolyze mischarged tRNAs.

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

Molecular Weight:134kDa

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.