

Mouse AARS / alanyl-tRNA synthetase (His Tag) recombinant protein



Catalog Number: 502771

General Information

Gene Name Synonym

Alanyl-tRNA synthetase

Protein Construction

A DNA sequence encoding the mouse AARS (Q8BGQ7) (Met 1-Asn 968) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 88 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met 1

Molecular Mass

The secreted recombinant mouse AARS consists of

978 amino acids and has a calculated molecular mass of 108.3 kDa. The recombinant protein migrates as an approximately 105 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

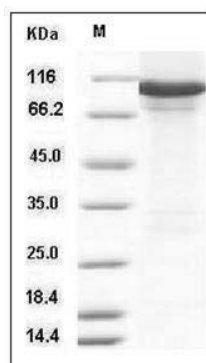
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse AARS / alanyl-tRNA synthetase Protein (His Tag) SDS-PAGE