

General Information

Gene Name Synonym

Alanine--tRNA ligase, cytoplasmic

Protein Construction

DNAs encoding 1-968aa (NP_001596) were fused with 6His tag

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Not tested.

Purity

>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.

Endotoxin

Please contact the lab for more information.

Stability

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

Molecular Mass

The recombinant human AARS1 consists of 982 amino acids and predicts a molecular mass of 116.89 kDa. In SDS-PAGE under reducing conditions, AARS1 migrates as an approximately 117 kDa band.

Formulation

Lyophilized from sterile PBS, pH 7.4

Usage Guide

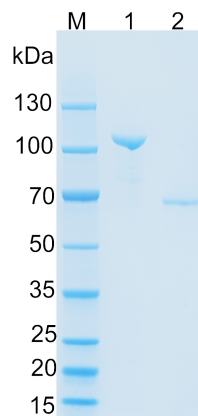
Storage

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

Reconstitute at 0.25 µg/µl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

SDS-PAGE



Human AARS1 Recombinant protein (His tag)

Lane 1: AARS1, Lane 2: BSA