

Human Adenylosuccinate Lyase Protein

Cat. No. ASL-HE001

Description

Source	Recombinant Human Adenylosuccinate Lyase Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ala2-Leu484.
Accession	P30566-1
Molecular Weight	The protein has a predicted MW of 56.28 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

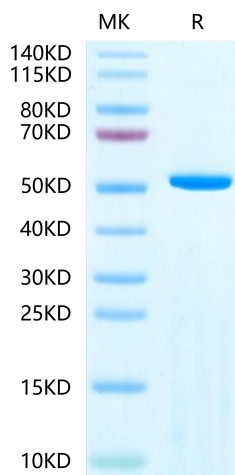
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Adenylosuccinate lyase (ADSL) is an essential enzyme for de novo purine biosynthesis, ADSL functions in de novo purine synthesis (DNPS) and the purine nucleotide cycle. Adenylosuccinate lyase (ADSL) deficiency is a defect of purine metabolism affecting purinosome assembly and reducing metabolite fluxes through purine de novo synthesis and purine nucleotide recycling pathways.

Assay Data

Tris-Bis PAGE



Human Adenylosuccinate Lyase on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.