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Datasheet for ABIN7504226

Adenylosuccinate Lyase Protein (ADSL) (AA 2-484) (His tag)

Overview

Quantity:	100 µg
Target:	Adenylosuccinate Lyase (ADSL)
Protein Characteristics:	AA 2-484
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adenylosuccinate Lyase protein is labelled with His tag.

Product Details

Purpose:	Human Adenylosuccinate Lyase Protein
Sequence:	Ala2-Leu484
Characteristics:	Recombinant Human Adenylosuccinate Lyase Protein is expressed from E.coli with His tag at the N-Terminus.It contains Ala2-Leu484.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Adenylosuccinate Lyase (ADSL)
Alternative Name:	Adenylosuccinate Lyase (ADSL Products)

Target Details

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.

Molecular Weight: 56.28 kDa same as Tris-Bis PAGE result.

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.

Expiry Date: 12 months