Datasheet for ABIN666626

Adenylate Kinase 3 Protein (AK3) (AA 1-223) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	Adenylate Kinase 3 (AK3)
Protein Characteristics:	AA 1-223
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adenylate Kinase 3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	Adenylate kinase 3(C22S), 1- 223aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	Adenylate Kinase 3 (AK3)
Abstract:	AK3 Products
Background:	Adenylate kinase (AK, adenosine triphosphate-adenosine monophosphate [ATP-AMP] phospho-transferase, EC 2.7.4.3) is a ubiquitous monomeric enzyme involved energy metabolism of prokaryotic and eukaryotic cells. Five isozymes of adenylate kinase have been identified in vertebrates. AK1 is present in the cytosol of skeletal muscle, brain, and erythrocyte, while AK2 is localized in the intermembrane space of mitochondria of liver, kidney, spleen and heart. AK3,

Target Details

	called GTP:AMP phosphotransferase, exists in the mitochondrial matrix of liver and heart. These isozymes contribute to homeostasis of the adenine nucleotide composition in the cell. Recombinant human AK3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: AK3, AKL3L, Adenylate kinase 3 alpha like 1, Adenylate kinase 3, AK3L1, AK6, AKL3L1, FIX, RP11 6J24.4. NCBI no.: NP_982289
Molecular Weight:	29.3 kDa (259 aa), confirmed by MALDI-TOF.
Pathways:	Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process

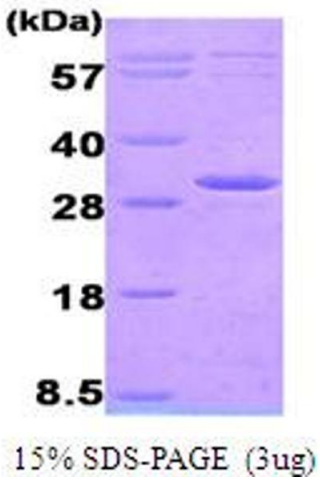
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid in 20mM Tris-HCl buffer (pH8.0), 2mMDTT, 20% Glycerol
Storage:	4 °C

Images



SDS-PAGE

Image 1.