Datasheet for ABIN667767

MAT1A Protein (AA 1-395) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	MAT1A
Protein Characteristics:	AA 1-395
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAT1A protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	MAT1A, 1-395aa, Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	MAT1A
Alternative Name:	MAT1A (MAT1A Products)
Background:	MAT1A catalyzes the formation of S-adenosyltransferase (AdoMet) for methionine catabolism in the liver. MAT1A expression also correlates with a differentiated phenotype, whereas liver cells expressing MAT2A present a dedifferentiated phenotype and lowered AdoMet synthesis. Likewise, NFkappaB and TNFalpha cause a switch from MAT1A to MAT2A expression in human hepatocellular carcinoma (HCC), which facilitates cancer cell growth. Recombinant

Target Details

	human MAT1A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: MAT, MATA1, SAMS, SAMS1, methionine adenosyltransferase I alpha, S-adenosylmethionine synthetase, MAT1A,. NCBI no.: NP_000420
Molecular Weight:	45.6 kDa (414aa), confirmed by MALDI-TOF.
Pathways:	Mitotic G1-G1/S Phases, M Phase, Ribonucleoside Biosynthetic Process, Methionine Biosynthetic Process

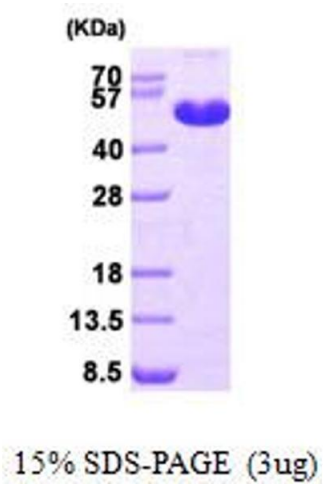
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1M NaCl, 10% glycerol
Storage:	4 °C

Images



SDS-PAGE

Image 1.