Datasheet for ABIN1473957

MAT1A Protein (AA 1-397) (His tag)

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Overview

Quantity:	1 mg
Target:	MAT1A
Protein Characteristics:	AA 1-397
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAT1A protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNGPVDGLCD HSLSEEGAFM FTSESVGEGH PDKICDQISD AVLDAHLKQD PNAKVACETV CKTGMVLLCG EITSMAMIDY QRVVRDTIKH IGYDDSAKGF DFKTCNVLVA LEQQSPDIAQ CVHLDRNEED VGAGDQGLMF GYATDETEEC MPLTIVLAHK LNTRMADLRR SGVLPWLRPD SKTQVTVQYV QDNGAVIPVR VHTIVISVQH NEDITLEAMR EALKEQVIKA VVPAKYLDED TIYHLQPSGR FVIGGPQGDA GVTGRKIIVD TYGGWGAHGG GAFSGKDYTK VDRSAAYAAR WVAKSLVKAG LCRRVLVQVS YAIGVAEPLS ISIFTYGTSK KTERDELLEV VNKNFDLRPG VIVRDLDLKK PIYQKTACYG HFGRSEFPWE VPKKLVF
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	MAT1A
Alternative Name:	S-adenosylmethionine synthase isoform type-1 (Mat1a) (MAT1A Products)
Background:	Recommended name: S-adenosylmethionine synthase isoform type-1. Short name= AdoMet synthase 1. EC= 2.5.1.6. Alternative name(s): Methionine adenosyltransferase 1. Short name= MAT 1 Methionine adenosyltransferase I/III. Short name= MAT-I/III
UniProt:	P13444
Pathways:	Mitotic G1-G1/S Phases, M Phase, Ribonucleoside Biosynthetic Process, Methionine Biosynthetic Process

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C

Handling

Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.