Datasheet for ABIN7583565

ASS1 Protein (AA 1-412) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	ASS1
Protein Characteristics:	AA 1-412
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASS1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSGKGSVVLA YSGGLDTSCI LVWLKEQGYD VIAYLANIGQ KEDFEEARKK ALKLGAKKVF IEDISKEFVE EFIWPAIQSS ALYEDRYLLG TSLARPCIAR KQVEIAQREG AKYVSHGATG KGNDQIRFEL TCYSLAPQIK VIAPWRMPEF YNRFQGRNDL MEYAKQHGIP VPVTPKNPWS MDENLMHISY EAGILENPKN QAPPGLYTKT QDPAKAPNSP DMLEIEFKKG VPVKVTNVGD GTTHSTALEL FLYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDIEAF TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRHCIAK SQERVEGKVQ VSVFKGQVYI LGRESPLSLY NEELVSMNVQ GDYEPVDATG FININSLRLK EYHRLQNKVT AK
Specificity:	Bos taurus (Bovine)
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:	ASS1
Alternative Name:	Argininosuccinate synthase (ASS1) (ASS1 Products)
Background:	Recommended name: Argininosuccinate synthase. EC= 6.3.4.5. Alternative name(s): Citrulline--aspartate ligase
UniProt:	P14568
Pathways:	Response to Growth Hormone Stimulus, Cellular Response to Molecule of Bacterial Origin

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