

Datasheet for ABIN1475118
ASS1 Protein (AA 1-412) (His tag)



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Overview

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

Product Details

Sequence:	<p>MSSKGSVVLA YSGGLDTSCI LVWLKEQGYD VIAYLANIGQ KEDFEEARKK ALKLGAKKVF</p> <p>IEDVSKEFVE EFIWPAVQSS ALYEDRYLLG TSLARPCAR KQVEIAQREG AKYVSHGATG</p> <p>KGNDQVRFEL TCYSLAPQIK VIAPWRMPEF YNRFKGRNDL MEYAKQHGP IPVTPKSPWS</p> <p>MDENLMHISY EAGILENPKN QAPPGLYTKT QDPAKAPNTP DVLEIEFKKG VPVKVTNVKD</p> <p>GTTHSTSLDL FMYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDIEAF</p> <p>TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRHCIDK SQERVEGKVQ VSVFKGQVYI</p> <p>LGRESPLSLY NEELVSMNVQ GDYEPIDATG FININSLRLK EYHRLQSKVT AK</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian 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:	P09034
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 modified 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.