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Datasheet for ABIN1591883

Adenylosuccinate Synthetase (ADSS1) (AA 45-484) protein (His tag)

Overview

Quantity:	1 mg
Target:	Adenylosuccinate Synthetase (ADSS1)
Protein Characteristics:	AA 45-484
Origin:	Zea mays
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	AATAAV HAEDRVSSLT QVSGVLGSQW GDEGKGLVD VLAPRFDIVA RCQGGANAGH TIYNSEGKKF ALHLVPSGIL HEGTLCVVG N GAVIHVPGFF GEIDGLESNG VRCGGRILVS DRAHLLFDLH QAVDGLREAE LENSFIGTTK RGIGPCYSSK VTRNGLRVCD LRHMDTFGDK LDILFKDAAS RFQGFQYSKS LLKEEVERYK KFADRLEPFI ADTVHVLN ES IKQKKKILVE GGQATMLDID FGTPFVTSS SPSAGGICTG LGIAPRAIGD LIGVVKAYTS RVGSGPFPTE LFGEEGDRLR KAGMEFGTTT GRPRRCGWLD IVALKHSCQI NGFSSLNLTK LDVLSGLSEI KVGVSYTQTD GQKLQSFP GD LDTLEQVQVN YEVLPGWQSD ISSVRRYDEL PQAARLYVER IEELVGVPVH YIGVGPRDA LIYK
Specificity:	Zea mays (Maize)
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.

Product Details

Purity: > 90 %

Target Details

Target: Adenylosuccinate Synthetase (ADSS1)

Alternative Name: Adenylosuccinate synthetase, chloroplastic (PURA) ([ADSS1 Products](#))

Background: Recommended name: Adenylosuccinate synthetase, chloroplastic.
Short name= AMPSase.
Short name= AdSS.
EC= 6.3.4.4.
Alternative name(s): IMP--aspartate ligase

UniProt: [O24578](#)

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 modiflicated 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.