Datasheet for ABIN1636887

WARS2 Protein (AA 1-327) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	WARS2
Protein Characteristics:	AA 1-327
Origin:	Oceanobacillus iheyensis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This WARS2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MKTIFSGIQP SGTLTLGNYL GAIQQFVELQ NDYNCYFCIV DEHAITVPQD RLELRKNIKS LAALYIASGI DPDSSTLFIQ SEVPEHTQLG WMLQSISYVG ELERMTQYKD KSQGQEAISS ALLTYPSLMA ADILLYNTDV VPVGDDQKQH LELARNLAQR FNNRFNDIFT VPEVRIPKVG ARIMSLQEPT KKMSKSDTNQ KGFISMLDEP KRIEKKIKSA VTDSEGIVKF DKENKPGVSN LLTIYSSCTG ESIADLEKKY DGKGYGDFKQ GVANAVIDTL RPIQEKYEQL IQSDELDAIL DQGRDKASFS AGKTIKKAKK AMGLGRK
Specificity:	Oceanobacillus iheyensis (strain DSM 14371 / JCM 11309 / KCTC 3954 / HTE831)
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 %

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Target Details

Target:	WARS2
Alternative Name:	Tryptophan--tRNA ligase (trpS) (WARS2 Products)
Background:	Recommended name: Tryptophan--tRNA ligase. EC= 6.1.1.2. Alternative name(s): Tryptophanyl-tRNA synthetase. Short name= TrpRS
UniProt:	Q8ERU2

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.