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Datasheet for ABIN1636889 KARS Protein (AA 1-493) (His tag)

Overview

Quantity:	1 mg
Target:	KARS
Protein Characteristics:	AA 1-493
Origin:	Oceanobacillus iheyensis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This KARS protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MSEELNEHMQ VRRDKLAEHM EKGLDPFGGK FERSHQATDL IEKYDSYSKE ELEETTDEVT</p> <p>IAGRLMTKRG KGKAGFAHIQ DLSGQIQLYV RKDMIGDDAY EVFKSADLGD IVGVTGVMFK</p> <p>TNVGEISVKA KQFQLLTKSL RPLPEKYHGL KDIEQRYRQR YLDLITNPDS RGTFFVSRSKI</p> <p>IQSMREYLNG QGFLEVETPM MHSIPGGASA RPFITHHNAL DIELYMRIA ELHLKRLMVG</p> <p>GLEKVYEIGR VFRNEGVSTR HNPEFTMIEL YEAYADYHDI MELTENLVAH IAKQVHGSTT</p> <p>ITYGEHEINL EPKWTRLHIV DAVKDATGVD FWKEVSDEEA RALAKEHGQV VTESMSYGHV</p> <p>VNEFFEQKVE ETLIQPTFIH GHPVEISPLA KKNKEDERFT DRFELFIVGR EHANAISELN</p> <p>DPIDQRARFE AQVKERAEGN DEAHYMDDEF LEALEYGMPP TGGLGIGVDR LVMLLTNSPS</p> <p>IRDVLLFPQM RTK</p>
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, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: KARS

Alternative Name: Lysine-tRNA ligase (lysS) ([KARS Products](#))

Background: Recommended name: Lysine-tRNA ligase.
EC= 6.1.1.6.
Alternative name(s): Lysyl-tRNA synthetase.
Short name= LysRS

UniProt: [Q8EU10](#)

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

Handling

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