Datasheet for ABIN1668752

KARS Protein (AA 1-496) (His tag)

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Overview

Quantity:	1 mg
Target:	KARS
Protein Characteristics:	AA 1-496
Origin:	Streptococcus suis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This KARS protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSTEHFEELN DQQIVRREKM TALAEQGIDP FGKRFERSAN SAELKAQYED KSKEDLEELG QTAIIAGRIM TKRGKGKAGF AHIQDREGQI QIYVRKDDVS EENYEIFKKA DLGDFIGVEG DVFKTNVGEL SIHARKLTHL SKALRPLPEK FHGLTDIETR YRKRYLDLIT NRESFDRFVT RSKIISEIRR YLDGLGFLEV ETPVLHNEAG GAAARPFITH HNAQNIDMVL RIATELHLKR LIVGGMERVY EIGRIFRNEG MDATHNPEFT SIEVYQAYAD YQDIMDLTEG IIQHTAKAVV GDGPVTYQGT EIAIHEPFKR IHMVDAIKEQ TGVDFWQEMS FEEAKALAAE HKVPVEKHHT EVGQIINSFF EEYVEATLIQ PTFVYGHPVA VSPLAKKNDE DPRFTDRFEL FIMTKEYGNA FTELNDPIDQ LERFEAQAKA KELGDDEATG VDYDYIEALE YGMPPTGGLG IGIDRLCMLL TDTTTIRDVL LFPTMK
Specificity:	Streptococcus suis (strain 98HAH33)
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.

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:	A4VZY0

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

Handling

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