Datasheet for ABIN1639749

CARS2 Protein (AA 1-464) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	CARS2
Protein Characteristics:	AA 1-464
Origin:	Clostridium
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARS2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MKIYNTMTRK KEEFVPVKPN EVQMYVCGPT VYNFFHIGNA RTFIVFDTVR KYFEYRGYKV NFIQNFTDID DKMIAKANNE GVSVKELGDR YIKEYYEDAD GLNLERATCN PRATEYIGKI IDFVKGLQDE GYAYEIDGDV YFNTNAFKEY GKLSGQNLED RMAGATIAVD DRKKSPADFA LWKSEKPGEP SWESPWGKGR PGWHIECSCM ARDLLGDTID IHAGAIDLIF PHHENEIAQS EARTGKPFSK YWMHAAYLNI NNEKMSKSLN NFLTARDILK EYDAEVIRLF LLSAHYRTPL NFTEESIEAA KTSLERLYNT INNLGSLLNN TAESNDDSEY LKALDSYREK FIEKMDDDFN TADGISVIFD LAKDININ GKSSKAAVEK AISLMRELGK PLGILQKVEK HNLEDEIQNL IEQRQNARKN KDWALADKIR DDLKERGIVL EDTPEGIRWK FIDK
Specificity:	Clostridium acetobutylicum (strain ATCC 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
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:	CARS2
Alternative Name:	Cysteine--tRNA ligase (cysS) (CARS2 Products)
Background:	Recommended name: Cysteine--tRNA ligase. EC= 6.1.1.16. Alternative name(s): Cysteinyl-tRNA synthetase. Short name= CysRS
UniProt:	Q97ED6

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.