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Datasheet for ABIN1637328  
**CARS2 Protein (AA 1-447) (His tag)**

### Overview

Quantity:	1 mg
Target:	CARS2
Protein Characteristics:	AA 1-447
Origin:	Streptococcus mutans
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARS2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MIKIYDLTR SLREFVPIHE NTVNMYVCGP TVYNYIHVGN GRSAIAFDTI RRYFEYRGYT VNYISNFTDV DDKIIKAAAK AGMTTKALSD KFIAAFKEDV AALGVKPATE NPRVIDYMQD IIDFVQILVD KGFAYESSGD VYFRVRKSDN YAALANKTLE ELEIGASGRV DAESDCKEDP LDFALWKA AK EGEIAWDSPW GAGRPGWHIE CSVMATTILG DTIDIHGGGA DLEFPHTNE IAQSEAKTGK KFANYWMHNG FVNIDNEKMS KSLGNFITVH DALKTMDGQV LRFFFATQHY RKPFNFTEKA IRDAEINLKY LKNTYEQPFT ATVDEAVFAR FLEKFQAAMD EDFNTANGIT VVFELAKWIN SGHYDQTVKD KFAEILQIFG VVFKEEVLDA EIEKLIERQ KARAARDFTK ADAIRDDLAA QGIKLLDTKD GVRWMRD
Specificity:	Streptococcus mutans
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

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Purity: > 90 %

## Target Details

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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: [Q8DWA9](#)

## Application Details

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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

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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

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