

Datasheet for ABIN1047631

Seryl-tRNA Synthetase (SARS) (AA 2-233), (partial) protein (GST tag)



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Overview

Quantity:	100 µg
Target:	Seryl-tRNA Synthetase (SARS)
Protein Characteristics:	AA 2-233, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	GST tag
Application:	ELISA

Product Details

Sequence:	VLDLDFRVD KGGDPALIRE TQEKRFKDPG LVDQLVKADS EWRRRCFRAD NLNKLKNLCS KTIGEKMKKK EPVGDDESVP ENVLSFDDLT ADALANLKVS QIKKVRLLID EAILKCD AER IKLEAERFEN LREIGNLLHP SVPISNDEDV DNKVERIWGD CTVRKKYSHV DLVVMVDGFE GEKGAVVAGS RGYFLKGVLV FLEQALIQYA LRTLGSRGYI PIYTPFFMRK EV
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.
Purity:	90 %

Target Details

Target:	Seryl-tRNA Synthetase (SARS)
Alternative Name:	Seryl-tRNA synthetase, cytoplasmic protein (SARS Products)

Target Details

Background:	Catalyzes the attachment of serine to tRNA(Ser). Is also probably able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteinyl-tRNA(Sec).
Molecular Weight:	53.8 kD
UniProt:	P49591

Application Details

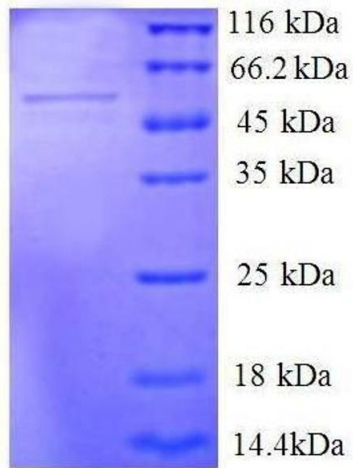
Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium 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
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in:	Hartert, Khalafpour, Missbichler, Hawa, Woloszczuk: "Enzyme immunoassays for fragments (epitopes) of human proatrial natriuretic peptides." in: Clinical chemistry and laboratory medicine : CCLM / FESCC , Vol. 38, Issue 1, pp. 27-32, (2000) (PubMed).
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SDS-PAGE

Image 1. Seryl-tRNA Synthetase (SARS) (AA 2-233), (partial) protein (GST tag)