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Datasheet for ABIN1593743

## HMGCL Protein (AA 1-468) (His tag)

### Overview

Quantity:	1 mg
Target:	HMGCL
Protein Characteristics:	AA 1-468
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCL protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MQWNGVRRAH SIWCKRLTNN THLHPSIPV SHFTMSSLE EPLSFDKLPS MSTMDRIQRF</p> <p>SSGACRPRDD VGMGHRWIEG RDCTTSNSCI DDDKSFAKES FPWRRHTRKL SEGEHMFNRI</p> <p>SFAGRTSTVS GTLRESKSFQ EQKYSTFSNE NGTSHISNKI SKGIPKFVKI VEVGPRDGLQ</p> <p>NEKNIVPTSV KVELIQRLVS SGLPVVEATS FVSPKWVPQL ADAKDVM DAV NTLDGARLPV</p> <p>LTPNLKGFQA AVSAGAKEVA IFASASESFS LSNINCTIEE SLLRYRVVAT AAKEHSVPVR</p> <p>GYVSCVVGCP VEGPVLPSKV AYVVKELYDM GCFEISLGDT IGIGTPGSVV PMLEAVMAVV</p> <p>PADKLAVHFH DTYGQALANI LVSLQMGISI VDSSIAGLGG CPYAKGASGN VATEDVVYML</p> <p>NGLGVHTNVD LGKLIAAGDF ISKHLGRPNG SKAAVALNRR ITADASKI</p>
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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: HMGCL

Alternative Name: Hydroxymethylglutaryl-CoA lyase, mitochondrial (HMGCL) ([HMGCL Products](#))

Background: Recommended name: Hydroxymethylglutaryl-CoA lyase, mitochondrial.

Short name= HL.

Short name= HMG-CoA lyase.

EC= 4.1.3.4.

Alternative name(s): 3-hydroxy-3-methylglutarate-CoA lyase

UniProt: [O81027](#)

## 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 modiflicated 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

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