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Datasheet for ABIN1665285

## HMGCS1 Protein (AA 1-453) (His tag)

### Overview

Quantity:	1 mg
Target:	HMGCS1
Protein Characteristics:	AA 1-453
Origin:	Blattella germanica
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCS1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MWPSDVGIVA LELIFPSQYV DQVDLEVYDN VSAGKYTVGL GQARMGFCTD REDINSLCLT</p> <p>VVSRLMERWS IPYSQIGRLE VGTETLLDKS KSVKTVLMQL FKDNTEIEGV DTVNACYGGT</p> <p>SALFNAISWV ESSSWDGRYA LVVAGDIAVY AKGSARPTGG AGAVAMLVGA NAPLVFDRGV</p> <p>RSSHMQHAYD FYKPDLSLY PTVDGKLSIQ CYLSALDHCY QLYCSKIQQK LGEKFDIERL</p> <p>DAVLFHAPYC KLVQKSLARL VLNDFVRASE EERTTKYSSL EALGKVKLED TYFDREVEKA</p> <p>VMTYSKNMFE ETKPSSLILA NQVGNMYTPS LYGGVLVLLV SKSAQELAGK RVALFSYGS</p> <p>LASSMFLSLRI SSDASAKSSL QRLVSNLSHI KPQLDLRHKV SPEEFAQTME TREHNHHKAP</p> <p>YTPEGSIDVL FPGTWYLESV DSYRRSYKQ VPG</p>
Specificity:	Blattella germanica (German cockroach) (Blatta germanica)
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: HMGCS1

Alternative Name: Hydroxymethylglutaryl-CoA synthase 1 (HMGCS-1) ([HMGCS1 Products](#))

Background: Recommended name: Hydroxymethylglutaryl-CoA synthase 1.  
Short name= HMG-CoA synthase 1.  
EC= 2.3.3.10.  
Alternative name(s): 3-hydroxy-3-methylglutaryl coenzyme A synthase 1

UniProt: [P54961](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

## 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

## Handling

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Storage: -20 °C

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