Datasheet for ABIN1474062

HMGCS1 Protein (AA 1-520) (His tag)

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Overview

Quantity:	1 mg
Target:	HMGCS1
Protein Characteristics:	AA 1-520
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCS1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MPGSLPLNAE ACWPKDVGIV ALEIYFPSQY VDQAELEKYD GVDAGKYTIG LGQARMGFCT DREDINSLCL TVVQKLMERN SLSYDCIGRL EVGTETIIDK SKSVKSNLMQ LFEESGNTDI EGIDTTNACY GGTAAVFNAV NWIESSSWDG RYALVVAGDI AIYASGNARP TGGVGAVALL IGPNAPVIFD RGLRGTHMQH AYDFYKPDML SEYPVVDGKL SIQCYLSALD RCYSVYRKKI RAQWQKEGKD KDFTLNDFGF MIFHSPYCKL VQKSLARMFL NDFLNDQNRD KNSIYSGLEA FGDVKLEDTY FDRDVEKAFM KASAELFNQK TKASLLVSNQ NGNMYTSSVY GSLASVLAQY SPQQLAGKRI GVFSYGSGLA ATLYSLKVTQ DATPGSALDK ITASLCDLKS RLDSRTCVAP DVFAENMKLR EDTHHLANYI PQCSIDSLFE GTWYLVRVDE KHRRTYARRP STNDHSLDEG VGLVHSNTAT EHIPSPAKKV PRLPATSGEP ESAVISNGEH
Specificity:	Rattus norvegicus (Rat)
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:	HMGCS1
Alternative Name:	Hydroxymethylglutaryl-CoA synthase, cytoplasmic (Hmgcs1) (HMGCS1 Products)
Background:	Recommended name: Hydroxymethylglutaryl-CoA synthase, cytoplasmic. Short name= HMG-CoA synthase. EC= 2.3.3.10. Alternative name(s): 3-hydroxy-3-methylglutaryl coenzyme A synthase
UniProt:	P17425
Pathways:	Regulation of Lipid Metabolism by PPARalpha

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

Handling

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