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Datasheet for ABIN1474351 HMGCS2 Protein (AA 38-508) (His tag)

Overview

Quantity:	1 mg
Target:	HMGCS2
Protein Characteristics:	AA 38-508
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCS2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	TIP PAPLAKTDTW PKDVGILALE VYFPAQYVDQ TDLEKFNNVE AGKYTVGLGQ TRMGFCSVQE DINSLCLTVV QRLMERTKLP WDAVGRLEVG TETIIDKSKA VKTVLMELFQ DSGNTDIEGI DTTNACYGGT ASLFNAANWM ESSYWDGRYA LVVCGDIAVY PSGNPRPTGG AGAVAMLIGP KAPLVLEQGL RGTHMENAYD FYKPNLASEY PLVDGKLSIQ CYLRALDRCY AAYRRKIQNQ WKQAGNNQPF TLDDVQYMIF HTPFCKMVQK SLARLMFNDF LSSSSDKQNN LYKGLEAFKG LKLEETYTNK DVDKALLKAS LDMFNKKTCA SLYLSTNNGN MYTSSLYGCL ASLLSHHSAQ ELAGSRIGAF SYGSGLAASF FSFRVSKDAS PGSPLEKLVS SVSDLPKRLD SRRRMSPEEF TEIMNQREQF YHKVNFSPPG DTSNLFPGTW YLERVDEMHR RKYARRPV
Specificity:	Rattus norvegicus (Rat)
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: HMGCS2

Alternative Name: Hydroxymethylglutaryl-CoA synthase, mitochondrial (Hmgcs2) ([HMGCS2 Products](#))

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

UniProt: [P22791](#)

Pathways: [Response to Growth Hormone Stimulus](#), [Cellular Response to Molecule of Bacterial Origin](#),
[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 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

Handling

Storage: -20 °C

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