

Datasheet for ABIN7587873

GCAT Protein (AA 22-419) (His tag)



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Overview

Quantity:	100 µg
Target:	GCAT
Protein Characteristics:	AA 22-419
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCAT protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SALAQLRGI LEEELIESIRG AGTWKSERVI TSRQGPHIHV DGAPGGIINF CANNYLGLSS HPEVIQAGLR TLKEFGAGLS SVRFICGTQS IHKDLEAKIA RFHQREDAIL YPSCFDANTG LFEALLTSED AVLSDELNHA SIIDGIRLCK AHKYRYRHLD MADLEAKLQE AQKHRLRLVA TDGAFSMDGD IAPLQEICRL ASQYGALVFV DESHATGFLG ATGRGTDELL GVMDQVTIIN STLGKALGGA SGGYTTGPGA LVSLLRQRAR PYLFNSNLPP AAVGCASKAL DLLMESNAIV QSMAAKTLRF RSQMEAAGFT ISGANHPICP VMLGDARLAL NIADDMLKRG IFVIGFSYPV VPKGKARIRV QISAVHSEED IDRCVEAFVE VGRLHGALP
Specificity:	Bos taurus (Bovine)
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:	GCAT
Alternative Name:	2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial (GCAT) (GCAT Products)
Background:	Recommended name: 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial. Short name= AKB ligase. EC= 2.3.1.29. Alternative name(s): Aminoacetone synthase Glycine acetyltransferase
UniProt:	Q0P5L8

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