Datasheet for ABIN7588999

SHMT2 Protein (AA 30-504) (His tag)

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Overview

Quantity:	100 µg
Target:	SHMT2
Protein Characteristics:	AA 30-504
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHMT2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	E AAQTQTGEAS KGWSGQESLS DSDPEMWELL RREKDRQCRG LELIASENFC SRAALEALGS CLNNKYSEGY PGKRYYGGAE VVDEIELLCQ RRALEAFDLD PAQWGVNVQP YSGSPANLAA YTALLQPHDR IMGLDLPDGG HLTHGYMSDV KRISATSIFF ESMPYKLNPQ TGLIDYDQLA LTARLFKPRL IIAGTSAYAR LIDYARMREV CDEVKAHLLA DMAHISGLVA AKVIPSPFKH ADIVTTTTHK TLRGARSGLI FYRKGVQAVD PKTGREIPYT FEDRINFAVF PSLQGGPHNH AIAAVAVALK QACTPMFREY SLQILKNAQA MANALLERGY SLVSGGTDNH LVLVDLRPKG LDGARAERVL ELVSITANKN TCPGDRSAIT PGGLRLGAPA LTSRGFLEDD FRKVVGFIDE GVNIGLEVKS KTTKLQDFKS FLLKDPETSH QLADLRQRVE QFARAFPMPG FDDH
Specificity:	Bos taurus (Bovine)
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:	SHMT2
Alternative Name:	Serine hydroxymethyltransferase, mitochondrial (SHMT2) (SHMT2 Products)
Background:	Recommended name: Serine hydroxymethyltransferase, mitochondrial. Short name= SHMT. EC= 2.1.2.1. Alternative name(s): Glycine hydroxymethyltransferase Serine methylase
UniProt:	Q3SZ20

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
Storage:	-20 °C

Handling

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