

Datasheet for ABIN7589994

SHMT1 Protein (AA 2-484) (His tag)



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Overview

Quantity:	100 µg
Target:	SHMT1
Protein Characteristics:	AA 2-484
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHMT1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AAPV NKAPR DANLWSLHEK MLAQPLKDND VEVYNIKKKE SNRQRVGLEL IASENFASRA VLEALGSCLN NKYSEGYPGQ RYYGGTEFID ELEVLCQKRA LQVYGLDSQC WGVNVQPYSG SPANFAVYTA LVEPHGRIMG LDLPDGGHLT HGFMTDKKKI SATSIFFESM PYKVNPD TGY INYDQLEENA RLFHPRLIIA GTSCYSRNLD YARLRKIADD NGAYLMADMA HVSGLVAAAGV VPSPFEHCHV VSTTTHTKTLR GCRAGMIFYR KGVRSVDPKT GRETRYNLES LINSVFPGL QGGPHNHAIA GVAVALKQAM TPEFRAYQRQ VVANCRAEAE ALMGLGYRVV TGGSDNHLIL VDLRSKGT DG GRAEKVLEAC SIACNKNTCP GDKSALRPSG LRLGTPALTS RGLLEEDFQK VAHFIHRGIE LTLQIQDAVG VKATLKEFME KLAGAEHHHR AVAALRAEVE SFATLFPLPG LPGF
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.

Product Details

Purity: > 90 %

Target Details

Target: SHMT1

Alternative Name: Serine hydroxymethyltransferase, cytosolic (SHMT1) ([SHMT1 Products](#))

Background: Recommended name: Serine hydroxymethyltransferase, cytosolic.
Short name= SHMT.
EC= 2.1.2.1.
Alternative name(s): Glycine hydroxymethyltransferase Serine methylase

UniProt: [Q5E9P9](#)

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

Handling

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