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Datasheet for ABIN1476724

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

## Overview

Quantity:	1 mg
Target:	SHMT1
Protein Characteristics:	AA 2-484
Origin:	Sheep
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHMT1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	AAPV NKAPR DADLWSLHEK MLAQPLKDND VEVYNIKKKE SNRQRVGLEL IASENFASRA VLEALGSCLN NKYSEGYPGQ RYYGGTEFID ELEVLCQKRA LQVYGLDPEC WGVNVQPYSG SPANFAVYTA LVEPHGRIMG LDLPDGGHLT HGFMTDKKKI SATSIFFESM PYKVNPDGTGY INYDQLEENA RLFHPRLIIA GTSCYSRNL D YARLRKIADD NGAYLMADMA HISGLVAAGV VPSPFEHCHV VSTTTHKTLR GCRAGMIFYR KGVRSVDPKT GKETRYNLES LINSVFPGL QGGPHNHAIA GVAVALKQAM TPEFRAYQRQ VVANCRAEAE ALMGLGYRVV TGGSDNHLIL VDLRSGTGDG GRAEKVLEAC SIACNKNTCP GDKSALRPSG LRLGTPALTS RGLLEEDFRK VAHFIHRGIE LTLQIQDAVG VKATLKEFME KLAGAEHQHQR AVTALRAEVE SFATLFPLPG LPGF
Specificity:	Ovis aries (Sheep)
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

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Purity: > 90 %

## Target Details

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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: [P35623](#)

## Application Details

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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

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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

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