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Datasheet for ABIN1664497

SHMT2 Protein (AA 32-518) (His tag)

Overview

Quantity:	1 mg
Target:	SHMT2
Protein Characteristics:	AA 32-518
Origin:	Pisum sativum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHMT2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SLPDEAVYD KENPRVTWPK QLNSPLEVID PEIADIIELE KARQWKGLEL IPSENFSTLS VMQAVGSMVT NKYSEGYPGA RYYGGNEYID MAETLCQKRA LEAFRLDPAK WGVNVQPLSG SPSNFQVYTA LLKPHDRIMA LDLPHGGHLS HGYQTDTKKI SAVSIFETM PYRLDESTGY IDYDQLEKSA TLFPRKLIVA GASAYARLYD YARIRKVCDK QKAVLLADMA HISGLVAAGV IPSPFDYADV VTTTTHKSLR GPRGAMIFFR KGLKEVKNQKQ KEVFYDYEDK INQAVFPLGQ GGPHNHTITG LAVALKQATT PEYRAYQEQV LSNSKFAKA LSEKGYDLVS GGTEHNLV NLKKNKIDGS RVEKVLVH IAANKNTVPG DVSAMVPGGI RMGTPALTSR GFVEEDFVKV AEYFDDAAVSL ALKVKAESKG TKLKDFVEAL QTSSYVQSEI SKLKHDFVEEF AKQFPTIGFE KATMKYNK
Specificity:	Pisum sativum (Garden pea)
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: SHMT2

Alternative Name: Serine hydroxymethyltransferase, mitochondrial ([SHMT2 Products](#))

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

UniProt: [P34899](#)

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

Storage: -20 °C

Handling

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