Datasheet for ABIN1617699

MTHFD2 Protein (AA 36-350) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	MTHFD2
Protein Characteristics:	AA 36-350
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTHFD2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	EAVVI SGRKLAEQIK QEVRQEVEEW VASGNKRPHL SVVLVGENPA SQSYVLNKTR AAASVGINSE TILKPASISE EELLNLINKL NNDDNVDGLL VQLPLPEHID ERKVCNAVSP DKDVDGFHVI NVGRMCLDQC SMLPATPWGV WEIIKRTGIP TLGKNVVVAG RSKNVGMPIA MLLHTDGAHE RPGGDATVTI SHRYTPKEEL KKHTALADIV ISAAGIPNLI TADMIKEGAA VIDVGINRIQ DPITAKPKLV GDVDFEGVKK KAGYITPVPG GVGPMTVAML MKNTIIAAKK VLRLEEQEVL KSKELGVASN
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.
Purity:	> 90 %

Target Details

Target:	MTHFD2
Alternative Name:	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial (MTHFD2) (MTHFD2 Products)
Background:	Recommended name: Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial Including the following 2 domains: NAD-dependent methylenetetrahydrofolate dehydrogenase. EC= 1.5.1.15 Methenyltetrahydrofolate cyclohydrolase. EC= 3.5.4.9
UniProt:	Q0P5C2

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