Datasheet for ABIN7591709

Thymidine Phosphorylase Protein (TYMP) (AA 1-476) (His tag)

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Overview

Quantity:	100 µg
Target:	Thymidine Phosphorylase (TYMP)
Protein Characteristics:	AA 1-476
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thymidine Phosphorylase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAAPGTPPPL APETAGADSG GGSGEHRQLP ELIRLKRNGG HLSEADIRNF VHALMDGRAQ DTQIGAMLMA IRLQGMDLEE TSVLTQALAE SGQQLEWPKA WHQQLVDKHS TGGVGDKVSL VLAPALAACG CKVPMISGRS LGHTGGTLDK LESIPGFSVT QSPEQMLQIL EEVGCCIVGQ SEKLVPADGI LYAARDVTAT VDSVPLITAS ILSKKAVEGL STLVVDVKFG GAAVFPDQEK ARELAKMLVR VGMGLGLQVA AALTAMDNPL GRNVGHTLEV EEALLCLDGA GPPDLRDLVI RLGGAILWLS GQAETQDQGA ARVAAALDDG SALHRFQLML SAQGVDPGLA RALCSGSPTQ RRQLLPHARK QEELLSPADG IVECVRALPL ACVLHELGAG RSRAGQPIRP GVGAELLVDV GQWLSRGTPW LRVHLDGPAL SSQQRRTLLG ALVLSDRAPF KAPSPFAELV LPPTTP
Specificity:	Rattus norvegicus (Rat)
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:	Thymidine Phosphorylase (TYMP)
Abstract:	TYMP Products
Background:	Recommended name: Thymidine phosphorylase. Short name= TP. EC= 2.4.2.4. Alternative name(s): TdRPase
UniProt:	Q5FVR2
Pathways:	Signaling Events mediated by VEGFR1 and VEGFR2

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

Handling

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