Datasheet for ABIN1672186

murG Protein (AA 1-339) (His tag)

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Overview

Quantity:	1 mg
Target:	murG
Protein Characteristics:	AA 1-339
Origin:	Thermotoga neapolitana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This murG protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MIRVAAAGGG TGGHLYPLLA ILETLSKDVE TKVLFFAVKG KIDEKVVKQE HPEYEVVTLD VRGLFRPLYH PKNFWRAAKV VNAILKAKKE LLRFKPDVIV LTGGYISGVV GLAAKNMGVP IFLHEQNVVP GLAVKTVAKY ARKIFVSFER TREFLTEWKD RVLFTGCPVR ETKEEVDLED FVLVLGGSLG SDLINSLMEE VYRRISCIRF VHSTGSRRWA ERLSVFPNVT AHPYIENMSS FWKKARASIS RAGASTIGEM IYYGVPGVLI PWEGSAESHQ LENALEAERL GYAIVVREKE ATPQKIIEAI DKTMKKGKIE KMKENPATII SREILGEIR
Specificity:	Thermotoga neapolitana (strain ATCC 49049 / DSM 4359 / NS-E)
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:	murG
Alternative Name:	UDP-N-acetylglucosamine--N-acetylmuramyl- (pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase (murG Products)
Background:	Recommended name: UDP-N-acetylglucosamine--N-acetylmuramyl-(pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase. EC= 2.4.1.227. Alternative name(s): Undecaprenyl-PP-MurNAc-pentapeptide-UDPGlcNAc GlcNAc transferase
UniProt:	B9K6P7

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.