Datasheet for ABIN1618144

GMPPA Protein (AA 1-421) (His tag)

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Overview

Quantity:	1 mg
Target:	GMPPA
Protein Characteristics:	AA 1-421
Origin:	Xenopus tropicalis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GMPPA protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MLKAVILIGG PQKGTRFRPL SFEVPKPLFP VAGVPMVQHH IEACSKVPNL KEILLIGFYQ PNEALSSFLL KAQQEFKVAI RYLQEYSALG TGGGIYHFRD QILSGGPQAF FVMNADVCSA FPLVPMLDFH KQHGGSQSYV ILGTTANRSQ SLNYGCIVAN GETQEVLHYV EKPGTFVSDI INCGIYLFSP SIFQHIAEVF QRNQQELQLE ENSSWQRTEV IRLEQDVFTT LAGRGKLYVY KTEGCWSQIK SAGSAIYASR LYLSQYGSTH PERLASTKEG GPTIRGNVYI HPTANVDPSA VLGPNVSIGM GVTVGAGVRI RESIVLHGAV LQDHSCVLNT IVGWDSTVGR WARVEGTPSD PNPNDPYSKI DSETLFREGK LTPSITILGC NVSIPAEVVI LNSIVLPHKE LSRSFKNQII L
Specificity:	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
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:	GMPPA
Alternative Name:	Mannose-1-phosphate guanyltransferase alpha (gmppa) (GMPPA Products)
Background:	Recommended name: Mannose-1-phosphate guanyltransferase alpha. EC= 2.7.7.13. Alternative name(s): GDP-mannose pyrophosphorylase A GTP-mannose-1-phosphate guanylyltransferase alpha
UniProt:	Q0VFM6

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.