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Datasheet for ABIN1644489

UGP2 Protein (AA 1-492) (His tag)

Overview

Quantity:	1 mg
Target:	UGP2
Protein Characteristics:	AA 1-492
Origin:	Encephalitozoon cuniculi
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This UGP2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MQESRSKEST LSGDEDKDVH RFLDEFDDKC TCKLLKEMKE TLEGLKKSHP NPTNLDEFYR</p> <p>LFERYLRTRH EKIVWEKIRS PKDRIVQYNE IPEPTEKSKE LLRKLAAILKL NGGLGTTMGC</p> <p>VGPKSAITIK DGKNFIDLTV KQIRYLNISKY KIDVPLILMN SFNTEGMTDK IIFRYDGIKK</p> <p>FSQSKFPRIS SETLLPVSPS HGDKGMYPYG HGDLFYSMKN SGMLEELLEG GYEYLFVSN</p> <p>DNLASTVDLK LLEYFATNEL GFLMEVTDKT RADVKGGTLI EYKGALRLLE IAQVPSNKK</p> <p>EFTSFKKFTI FNTNNLWINL KEMKKKLEEG FFDLDIENK KALDDETIVQ LETAIGSAIK</p> <p>YFPNSCGVVV PRSRFLPVKT CSDLFLVESN LFVEKNGTLQ LHPSRVPETC PTVKLIGENF</p> <p>SKIEKYEKCF KGIPDILELE VLTVSGNVLF GKNVVLKGTV IILADEKSKI CVPDGSVLED NIIYGNLP</p> <p>DH</p>
Specificity:	Encephalitozoon cuniculi (strain GB-M1) (Microsporidian parasite)
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: UGP2

Alternative Name: UTP--glucose-1-phosphate uridylyltransferase (UGP1) ([UGP2 Products](#))

Background: Recommended name: UTP--glucose-1-phosphate uridylyltransferase.
EC= 2.7.7.9.
Alternative name(s): UDP-glucose pyrophosphorylase.
Short name= UDPGP.
Short name= UGPase

UniProt: [Q8SSC5](#)

Pathways: [Cellular Glucan Metabolic Process](#)

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

Handling

Storage: -20 °C

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