Datasheet for ABIN1627905

Glycogen Synthase 2 Protein (AA 1-472) (His tag)

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Overview

Quantity:	1 mg
Target:	Glycogen Synthase 2 (GYS2)
Protein Characteristics:	AA 1-472
Origin:	Anabaena variabilis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glycogen Synthase 2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MRILFVAAEA APIAKVGGMG DVVGALPKVL RKMGHDVRIF LPYYGFLPDK MEIPKDPIWK GYAMFQDFTV HEAVLPGTDV PLYLFGHPAF NPRRIYSGDD EDWRFTLFSN GAAEFCWNYW KPEIIHCHDW HTGMIPVWMN QSPDITTVFT IHNLAYQGPW RWYLDKITWC PWYMQGHNTM AAAVQFADRV NTVSPTYAEQ IKTPAYGEKI EGLLSFISGK LSGIVNGIDT EVYDPANDKF IAQTFTADTL DKRKANKIAL QEEVGLEVNS NAFLIGMVTR LVEQKGLDLV IQMLDRFMAY TDAQFVLLGT GDRYYETQMW QLASRYPGRM ATYLLYNDAL SRRIYAGSDA FLMPSRFEPC GISQMMALRY GSIPIVRRTG GLVDTVSHHD PVNEAGTGYC FDRYEPLDLF TCMIRAWEGF RYKPQWQELQ KRGMSQDFSW YKSAKEYDRL YRSIYGLPEA EETQPELILA NQ
Specificity:	Anabaena variabilis (strain ATCC 29413 / PCC 7937)
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:	Glycogen Synthase 2 (GYS2)
Alternative Name:	Glycogen synthase 2 (glgA2) (GYS2 Products)
Background:	Recommended name: Glycogen synthase 2. EC= 2.4.1.21. Alternative name(s): Starch [bacterial glycogen] synthase 2
UniProt:	Q3M3R4
Pathways:	AMPK Signaling, 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 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

Handling

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

