

Datasheet for ABIN7587464

Glycogen Synthase 1 Protein (AA 2-738) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Glycogen Synthase 1 (GYS1)
Protein Characteristics:	AA 2-738
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glycogen Synthase 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PLSRSLSMS SLPGLDWED EFDPENAVLF EVAWEVANKV GGIYTVLQTK AKVTGDEWGD NYYLVGPYTE QGVRTQVELL EPPTPELKRT LDSMNSKGCK VYFGRWLIEG GPLVLLDVG ASAWALERWK GELWDTCNIG VPWYDREAND AVLFGFLTWW FLGEFLAQNE EKPYYVAHFH EWLAGVGLCL CRARRLPVAT IFTTHATLLG RYLCAGAVDF YNNLENFNVD KEAGERQIYH RYCMERAAAH CAHVFTTVSQ ITAIEAQHLL KRKPDIVTPN GLNVKKFSAM HEFQNLHAQS KARIQEFVRG HFYGHLDLNL DKTLYFFIAG RYEFSSNKGAD IFLEALARLN YLLRVNGSEQ TVVAFFIMPA RTNNFNVELT KGQAVRKQLW DTANTVKEKF GRKLYESLLV GSLPDMNKML DKEDFTMMKR AIFATQRQSF PPVCTHNMLD DSSDPILTTI RRIGLFNSSA DRVKVIFHPE FLSSTSPLLP VDYEFEVVRGC HLGVFPSYYE PWGYTPAECT VMGIPSISTN LSGFGCFMEE HIADPSAYGI YILDRRFRSL DDSCSQLTSF LYSFCQQSRR QRRIQRNRTS RLSDLLDWKY LGRYYMSARH MALAKAFPDH FTYEPHEVDA TQGYRYPRPA SVPPSPSLSR HSSPHQSEDE EEPRDGPLRE DSERYDEEEE AAKDRRNIRA PEWPRRASCS SSTGGSKRSN SVDTGPSSSL
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Product Details

STPTEPLSPT SSLGEERN

Specificity: Rattus norvegicus (Rat)

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.

Purity: > 90 %

Target Details

Target: Glycogen Synthase 1 (GYS1)

Alternative Name: Glycogen [starch] synthase, muscle (Gys1) ([GYS1 Products](#))

Background: Recommended name: Glycogen [starch] synthase, muscle.
EC= 2.4.1.11

UniProt: [A2RRU1](#)

Pathways: [PI3K-Akt Signaling](#), [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 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

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.