Datasheet for ABIN1508050

alpha-1,4-Glucan-Protein Synthase (GPM374) (AA 1-364) protein (His tag)

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Overview

Quantity:	1 mg
Target:	alpha-1,4-Glucan-Protein Synthase (GPM374)
Protein Characteristics:	AA 1-364
Origin:	Zea mays
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MAGTVTVPGS STPSTPLLKD ELDIVIPTIR NLDFLEMWRA FFQPYHLIIV QDGDPTKTIK VPEGFDYELY NRNDINRILG PKASCISFKD SACRCFGYMV SKKKYIYTID DDCFVAKDPS GKDINALEQH IKNLLSPSTP FFFNTLYDPY REGADFVRGY PFSLREGAHT AVSHGLWLNI PDYDAPTQLV KPKERNERYV DAVMTIPKGT LFPMCGMNLA FDRDLIGPAM YFGLMGDGQP IGRYDDMWAG WCVKVICDHL SLGVKTGLPY IWHSKASNPF VNLKKEYKGI FWQEDIIPFF QNVTIPKDCD TVQKCYIYLS GQVKEKLGTI DPYFVKLGDA MVTWIEAWDE LNPSTPAAAN GKAK
Specificity:	Zea mays (Maize)
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:	alpha-1,4-Glucan-Protein Synthase (GPM374)
Alternative Name:	Alpha-1,4-glucan-protein synthase [UDP-forming] (UPTG) (GPM374 Products)
Background:	Recommended name: Alpha-1,4-glucan-protein synthase [UDP-forming]. EC= 2.4.1.-. Alternative name(s): Amylogenin Golgi-associated protein se-wap41 Reversibly glycosylated polypeptide. Short name= RGP UDP-glucose:protein transglucosylase. Short name= UPTG
UniProt:	P80607

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.