

Datasheet for ABIN7584512
GNE Protein (AA 1-722) (His tag)



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Overview

Quantity:	100 µg
Target:	GNE
Protein Characteristics:	AA 1-722
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNE protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MEKNGNNRKL RVCVATCNRA DYSKLAPIMF GIKTEPAFFE LDVVVLGSHL IDDYGNTYRM IEQDDFDINT RLHTIVRGED EAAMVESVGL ALVKLPDVLN RLKPDIMIVH GDRFDALALA TSAALMNIRI LHIEGGEVSG TIDDSIRHAI TKLAHYHVCC TRSAEQHLIS MCEDHDRILL AGCPSYDKLL SAKNKDYMSI IRMWLGDDVK CKDYIVALQH PVTDDIKHSI KMFELTLDAL ISFNKRTLVL FPNIDAGSKE MVRVMRKKGI EHHPNFRAVK HVPFDQFIQL VAHAGCMIGN SSCGVREVGA FGTPVINLGT RQIGRETGEN VLHVRDADTQ DKILQALHLQ FGKQYPCSKI YGDGNAV PRI LKFLKSIDLQ EPLQKKFCFP PVKENISQDI DHILETLSAL AVDLGGTNLR VAIVSMKGEI VKKYTQFNPK TYEERISLIL QMCVEAAAEA VKLNCRILGV GISTGGRVNP QEGVVLHSTK LIQEWNSVDL RTPLSDDLHL PVWVDNDGNC AAMAERKFGQ GKGQENFVTL ITGTGIGGGI IHQHELIHGS SFCAAELGHL VVSLDGPDCS CGSHGCIEAY ASGMALQREA KKLHDEDL LLL VEGMSVPKDE AVGALHLIQA AKLGNVKAQS ILRTAGTALG LGVVNILHTM NPSLVILSGV LASHYIHIVR DVIRQQALSS VQDQDVVVS LVDPALLGAA SMVLDYTTTR IH
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Product Details

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:	GNE
Alternative Name:	Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase (Gne) (GNE Products)
Background:	Recommended name: Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase. Alternative name(s): UDP-GlcNAc-2-epimerase/ManAc kinase Including the following 2 domains: UDP-N-acetylglucosamine 2-epimerase. EC= 5.1.3.14. Alternative name(s): UDP-GlcNAc-2-epimerase Uridine diphosphate-N-acetylglucosamine-2-epimerase N-acetylmannosamine kinase. EC= 2.7.1.60. Alternative name(s): ManAc kinase
UniProt:	O35826

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