Datasheet for ABIN1617039

GLN1 Protein (AA 1-359) (His tag)

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Overview

Quantity:	1 mg
Target:	GLN1
Protein Characteristics:	AA 1-359
Origin:	Schizosaccharomyces pombe
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLN1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSQYDVEPLL SKAAILNKYA DLPQNGKVMA EYIWIDGFNH LRSKTMTLDA KPSSIDQLRV WNFDGSSTGQ APGNNSDTLL KPVAMYNDPF RRGDNILVLA ACYTADGSPN GFNHRDACAK LLEKHADKET WFGIEQEYTM LDYYDRPFGW PKGGFPGPQG PFYCGVGTGR VFARDIVEAH YKACLYAGIN ISGINAEVMP SQWEYQVGPC AGIEMGDQLW MSRFLLHRIA EDFGVKISFH PKPILGDWNG AGCHTNVSTK DTRAEGGIKA IESYLEKFAK RHKEHIAVYG DDNDLRLTGR HETGSIDKFT YGVADRGASV RIPRSVAMNG CGYFEDRRPA SSIDPYLVTG IITETMFEH
Specificity:	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)
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:	GLN1
Abstract:	GLN1 Products
Background:	Recommended name: Glutamine synthetase. Short name= GS. EC= 6.3.1.2. Alternative name(s): Glutamate--ammonia ligase
UniProt:	Q09179
Pathways:	Positive Regulation of Peptide Hormone Secretion

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.