Datasheet for ABIN1663255

Glutamine Synthetase Nodule Isozyme Protein (GS) (AA 1-356) (His tag)

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Overview

Quantity:	1 mg
Target:	Glutamine Synthetase Nodule Isozyme (GS)
Protein Characteristics:	AA 1-356
Origin:	Moth bean (Vigna aconitifolia)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutamine Synthetase Nodule Isozyme protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSLLSDLINL NLSDTTEKII AEYIWIGGSG LDLRSKARTL PGPVSDPSKL PKWNYDGSST GQAPGEDSEV IIYPQAIFKD PFRRGNNILV MCDAYTPAGE PIPTNKRHNA AKIFSHPDVV AEEPWYGIEQ EYTLLQKDVN WPLGWPVGGF PGPQGPYYCG AGADKAFGRD IVDAHYKACL YAGINISGIN GEVMPGQWEF QVGPAVGISA GDELWVARYI LERITEIAGV VLSFDPKPIK GDWNGAGAHT NYSTKTMRND GGYEVIKSAI EKLGKRHKEH IAAYGEGNER RLTGRHETAD INTFLWGVAN RGASIRVGRD TEKAGKGYFE DRRPASNMDP YVVTSMIADT TILWKP
Specificity:	Vigna aconitifolia (Moth bean) (Phaseolus aconitifolius)
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:	Glutamine Synthetase Nodule Isozyme (GS)
Alternative Name:	Glutamine synthetase nodule isozyme (GS Products)
Background:	Recommended name: Glutamine synthetase nodule isozyme. Short name= GS. EC= 6.3.1.2. Alternative name(s): Glutamate--ammonia ligase
UniProt:	P32289

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.