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Datasheet for ABIN1477459

## Glutathione Synthetase Protein (GSS) (AA 1-474) (His tag)

### Overview

Quantity:	1 mg
Target:	Glutathione Synthetase (GSS)
Protein Characteristics:	AA 1-474
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glutathione Synthetase protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MADLWDDIYN DTKLLEELAP IAIDAALLQG VLMRTKESPN SSDVVSFAPF ALLPSPVPKA</p> <p>LFEQAKCVQE DFNTLVDRIS QDTSFLEQVL SSTIKVDDFI RRLFAIHKQV QQEDCTQEVF</p> <p>LGINRSDYMF DCRDDGTPAL KQIEINTIAA SFGGLASRTP AVHQHVLKFL RKSEESSIL</p> <p>TNDAVEGIGW GIAHAWALYG SVDATVMFLV ENEQRNILDQ RFIEAELCKR NVRVIRRRLA</p> <p>DVFERGTLDE ERHLFIDGYE VAVAYFRTGY VPQDYTEQDW EARLMLERSR AVKCPDVPTQ</p> <p>LVGTTKKVQQE LSRPQILEKF LPDKPEAVAR IRETFTGLYS LDIGEEGDEA VRVALANPDQ</p> <p>FVLKPQREGG GNNLYGEELK EKLQECKDSE ERTSYILMDK INPKPLKNCL LRAGGRVQIS</p> <p>ECISELGMFG VYVRHRDQMI YYDQVGHLLR TKAIEHSDGG VAAGVAVLDN PYLV</p>
Specificity:	Xenopus laevis (African clawed frog)
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.

## Product Details

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Purity: > 90 %

## Target Details

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Target: Glutathione Synthetase (GSS)

Abstract: [GSS Products](#)

Background: Recommended name: Glutathione synthetase.  
Short name= GSH synthetase.  
Short name= GSH-S.  
EC= 6.3.2.3.  
Alternative name(s): Glutathione synthase

UniProt: [P35668](#)

Pathways: [Warburg Effect](#)

## Application Details

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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

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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

## Handling

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Storage: -20 °C

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