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## Datasheet for ABIN1669783 CYS1 Protein (AA 1-472) (His tag)

### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | CYS1  |
| Protein Characteristics:      | AA 1-472                                    |
| Origin:                       | Yersinia pseudotuberculosis                 |
| Source:                       | Yeast                                       |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This CYS1 protein is labelled with His tag. |
| Application:                  | ELISA                                       |

### Product Details

|                  |  |
|------------------|--|
| Sequence:        | MDYLPLFADL KQRPVLIVGG GEVAARKIEL LHRAGAQVWV VAQTLSSSELE QQYQDGRIHW<br>LAQDFLPEQL DNVFLVIAAT NDTVLNAAVF AAADQRCILA NVVDDQPLCS FIFPSIVDRS<br>PLVVAISSSG QAPVLARILR EKLEALLPTR LSDMAAIAGR WRGRVKQHMA SMGERRRFWE<br>HAFSGRFASL ISRGQLTEAE NELQLSLEGQ HREALGEVALV GAGPGDAGLL TLRGLQVMQQ<br>ADVPLYDHLV SPEVLDLVRD DAERICVGKR AGAHSVTQEA TNQLLVTLAQ QGKRVVRLKG<br>GDPFIFGRGG EELQVVAQAG IPFQVVPVGT AAAGATAYAG IPLTHRDHAQ SVTFITGHCR<br>PDGDDLWQA LARGRQTLAI YMGTVKAAAI SQQLIAHGRS STTPVAVIGR GTRVDQQVLI<br>GTLAQLESLA QQAPTPALLV IGEVNLHHQ IAWFGQQPQT ESAINPSVNV LA |
| Specificity:     | Yersinia pseudotuberculosis serotype O:1b (strain IP 31758)  |
| 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: CYSG1

Alternative Name: Siroheme synthase 1 (cysG1) ([CYSG1 Products](#))

Background: Recommended name: Siroheme synthase 1 Including the following 3 domains:  
Uroporphyrinogen-III C-methyltransferase.  
Short name= Urogen III methylase.  
EC= 2.1.1.107.  
Alternative name(s): SUMT Uroporphyrinogen III methylase.  
Short name= UROM Precorrin-2 dehydrogenase.  
EC= 1.3.1.76 Sirohydrochlorin ferrochelatase.  
EC= 4.99.1.4

UniProt: [A7FLY4](#)

## 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 modiflicated 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

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|                  |   |
|------------------|---|
| 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.                                |