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Datasheet for ABIN1667577  
**GUDD Protein (AA 2-446) (His tag)**

### Overview

Quantity:	1 mg
Target:	GUDD
Protein Characteristics:	AA 2-446
Origin:	E. coli
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUDD protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	SSQFTTPVV TEMQVIPVAG HDSMLMNLGS AHAPFFTRNI VIKDNSGHT GVGEIPGGEK IRKTLEDAIP LVVGKTLGEY KNVLTIVRNT FARDAGGRG LQTFDLRTTI HVVTGIEAAM LDLLGQHLGV NVALSLGDGQ QRSEVEMLG YLFFVGNRKAT PLYQSQPDD SCDWYRLRHE EAMTPDAVVR LAEAAEYKYG FNDFKLGGV LAGEEEAESI VALAQRFPQA RITLDPNGAW SLNEAIKIGK YLKGSLAYAE DPCGAEQGFS GREVMAEFRR ATGLPTATNM IATDWRQMGH TSLSQVDIP LADPHFWTMQ GSVRVAQMCH EFGLTWGSHS NNHFDISLAM FTHVAAAAPG KITAIDTHWI WQEGNQRLTK EPFEIKGGLV QVPEKPGLGV EIDMDQVMKA HELYQKHGLG ARDDAMGMQY LIPGWTFDNK RPCMVR
Specificity:	Escherichia coli (strain K12)
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: GUDD

Abstract: [GUDD Products](#)

Background: Recommended name: Glucarate dehydratase.  
Short name= GDH.  
Short name= GlucD.  
EC= 4.2.1.40

UniProt: [P0AES2](#)

## 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

Storage: -20 °C

## Handling

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