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## Datasheet for ABIN1616654 **GLUD1 Protein (AA 1-411) (His tag)**

### Overview

Quantity:	1 mg
Target:	GLUD1
Protein Characteristics:	AA 1-411
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLUD1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MNALAATNRN FKLAARLLGL DSKLEKSLLI PFREIKVECT IPKDDGTLAS FVGFRVQHDN ARGPMKGGIR YHPEVDPDEV NALAQLMTWK TAVAKIPYGG AKGGIGCDPS KLSISELERL TRVFTQKIHD LIGIHTDVPA PDMGTGPQTM AWILDEYSKF HGYS PAVVTG KPIDLGGSLG RDAATGRGVM FGTEALLNEH GKTISGQRFV IQGFGNVGSW AAKLISEKGG KIVAVSDITG AIKNKDGIDI PALLKHTKEH RGVKGF DGAD PIDPNSILVE DCDILVPAAL GGVINRENAN EIKAKFII EA ANHPTDPDAD EILSKKGVVI LPDIYANSGG VTVSYFEWVQ NIQGF MWEEE KVND ELKTYM TRSFKDLKEM CKTHSCDLRM GAFTLG VNRV AQATILRGWG A
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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.
Purity:	> 90 %

## Target Details

Target:	GLUD1
Alternative Name:	Glutamate dehydrogenase 1 (GDH1) ( <a href="#">GLUD1 Products</a> )
Background:	Recommended name: Glutamate dehydrogenase 1. Short name= GDH 1. EC= 1.4.1.3
UniProt:	<a href="#">Q43314</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Warburg Effect</a>

## 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 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

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.