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Datasheet for ABIN1473899

GLUD1 Protein (AA 54-558) (His tag)

Overview

Quantity:	1 mg
Target:	GLUD1
Protein Characteristics:	AA 54-558
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLUD1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SEAATDR EDDPNFFKMV EGFFDRGASI VEDKLVEDLK TRENEEQKRN RVRGILRIK PCNHVLSLSF PIRRDDGSWE VIEGYRAQHS QHRTPCGGI RYSTDVSVDE VKALASLMTY KCAVVDVPFG GAKAGVKINP KNYTDNELEK ITRRFTMELA KKGFIGPGID VPAPDMSTGE REMSWIADTY ASTIGHYDIN AHACVTGKPI SQGGIHGRIS ATGRGVFHGI ENFINEASYM SILGMTPGLG DKTFVVQGFG NVGLHSMRYL HRFGAKCVGV GESDGSIWNP DGIDPKELED FKLQHGSILG FPKAKVYEGS ILEADCDILI PAASEKQLTK SNAPRVKAKI IAEGANGPTT PEADKIFLER NIMVIPDLYL NAGGVTVSFY EWLKLNHVS YGRLTFKYER DSNYHLLMSV QESLERKFGK HGGTIPVVPT AEFQDRISGA SEKDIVHSGL AYTMERSARQ IMRTAMKYNL GLDLRTAAYV NAIEKVFKVY NEAGVTFT
Specificity:	Rattus norvegicus (Rat)
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

Purity: > 90 %

Target Details

Target: GLUD1

Alternative Name: Glutamate dehydrogenase 1, mitochondrial (Glud1) ([GLUD1 Products](#))

Background: Recommended name: Glutamate dehydrogenase 1, mitochondrial.
Short name= GDH 1.
EC= 1.4.1.3.
Alternative name(s): Memory-related gene 2 protein.
Short name= MRG-2

UniProt: [P10860](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Warburg Effect](#)

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

Handling

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