Datasheet for ABIN7585528

PHGDH Protein (AA 2-533) (His tag)

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Overview

Quantity:	100 µg
Target:	PHGDH
Protein Characteristics:	AA 2-533
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHGDH protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AFANLRKIL ISDSLDPCCR KILQDGGLQV VEKQNLSKEE LIAELQDCEG LIVRSATKVT ADVINAAEKL QVVGRAGTGV DNVDLEAATR KGVLVMNTPN GNSLSAAELT CGMLMCLARQ IPQATASMKD GKWDRKKFMG TELNGKTLGI LGLGRIGREV AARMQAFGMK TVGYDPIISP EVAASFGVQQ LPLEEIWPLC DFITVHTPLL PSTTGLLNDS TFAQCKKGVR VVNCARGGIV DEGALLRALQ SGQCAGAALD VFTEEPPRDR ALVDHENVIS CPHLGASTKE AQSRCGEEIA VQFVDMVKGK SLTGVVNAQA LTSAFSPHTK PWIGLAEALG TLMHAWAGSP KGTIQVVTQG TSLKNAGTCL SPAVIVGLLR EASKQADVNL VNAKLLVKEA GLNVTTSHSP GVPGEQGIGE CLLTVALAGA PYQAVGLVQG TTPMLQMLNG AVFRPEVPLR RGQPLLLFRA QPSDPVMLPT MIGLLAEAGV QLLSYQTSKV SDGDTWHVMG LSSLLPSLDA WKQHVSEAFQ FCF
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	PHGDH
Alternative Name:	D-3-phosphoglycerate dehydrogenase (Phgdh) (PHGDH Products)
Background:	Recommended name: D-3-phosphoglycerate dehydrogenase. Short name= 3-PGDH. EC= 1.1.1.95
UniProt:	O08651
Pathways:	Metabolism of Steroid Hormones and Vitamin D, 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 modificated 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

Handling

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