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Datasheet for ABIN1475541 PHGDH Protein (AA 2-533) (His tag)

Overview

Quantity:	1 mg
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:	<p>AFANLRKIL ISDSLDPCCR KILQDGGGLQV VEKQNLKSEE LIAELQDCEG LIVRSATKVT</p> <p>ADVINA AEKL QVVG RAGTGV DNV DLEAATR KGV LVMNTPN GNSLSAAELT CGMLMCLARQ</p> <p>IPQATASMKD GKWDRKKFMG TELNGKTLGI LGLGRIGREV AARMQAFGMK TVGYDPIISP</p> <p>EVAASFGVQQ LPLEEIWPLC DFITVHTPLL PSTTGLLNDS TFAQCKKGVR VVNCARGGIV</p> <p>DEGALLRALQ SGQCAGAALD VFTEEP RDR ALVDHENVIS CPHLGASTKE AQSRCGEEIA</p> <p>VQFVDMVKGK SLTGVVNAQA LTSAFSPHTK PWIGLAEALG TLMHAWAGSP KGTIQVVTQG</p> <p>TSLKNAGTCL SPAVIVGLLR EASKQADVNL VNAKLLVKEA GLNVTTS HSP GVPGEQGIGE</p> <p>CLLTVALAGA PYQAVGLVQG TTPMLQMLNG AVFRPEVPLR RGQPLLLFRA QPSDPVMLPT</p> <p>MIGLLAEAGV QLLSYQTSKV SDGDTWHVMG LSSLLPSLDA WKQHVSEAFQ FCF</p>
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: 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 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

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.