

## Datasheet for ABIN7587102

### PDP Protein (AA 72-538) (His tag)



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#### Overview

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Quantity:                     | 100 µg                                     |
| Target:                       | PDP                                        |
| Protein Characteristics:      | AA 72-538                                  |
| Origin:                       | Cow                                        |
| Source:                       | Yeast                                      |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This PDP protein is labelled with His tag. |
| Application:                  | ELISA                                      |

#### Product Details

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|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence:        | ASTPQKFYL TPPQVNSILK ANEYSFKVPE FDGKNVSSVL GFDSNQLPAN APIEDRRSAA<br>TCLQTRGMLL GVFDGHAGCA CSQAVSERLF YYIAVSLLPH ETLLEIENAV ESGRALLPIL<br>QWHKHPNDYF SKEASKLYFN SLRTYWQELI DLNTGESTDI DVKEALINAF KRLDNDISLE<br>AQVGDPNSFL NYLVLRVAFS GATACVAHVD GVDLHVANTG DSRAMLG VQE EDGSWSAVTL<br>SNDHNAQNER EVERLKLEHP KNEAKSVVKQ DRLLGLLMPF RAFGDVKFKW SIDLQKRVIE<br>SGPDQLNDNE YTKFIPPNNY TPPYLTAEP E VTYHRLRPQD KFLVLATDGL WETMHRQDVV<br>RIVGEYLTGM HHQQPIAVGG YKVTLGQMHG LLTERRAKMS SVFEDQNAAT HLIRHAVGNN<br>EFGAVDHERL SKMLSLPEEL ARMYRDDITI IVVQFN SHVV GAYQNQEQ |
| Specificity:     | Bos taurus (Bovine)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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: PDP

Alternative Name: [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial (PDP1) ([PDP Products](#))

Background: Recommended name: [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial.  
Short name= PDP 1.  
EC= 3.1.3.43.  
Alternative name(s): Protein phosphatase 2C Pyruvate dehydrogenase phosphatase catalytic subunit 1.  
Short name= PDPC 1

UniProt: [P35816](#)

## 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 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

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

## Handling

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|------------------|-----------------------------------------------------------------------------------------------------|
| 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.                                |