



[Go to Product page](#)

Datasheet for ABIN1473658  
**PGD Protein (AA 2-483) (His tag)**

### Overview

Quantity:	1 mg
Target:	PGD
Protein Characteristics:	AA 2-483
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGD protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	AQADIALIG LAVMGQNLIL NMNDHGFVVC AFNRTVSKVD DFLAKEAKGT KVIGAKSLKD MVSKLKKPRR VILLVKAGQA VDDFIEKLVP LLDTGDIID GGNSEYRDTT RRCQDLKAKG ILFVSGSVSG GEEGARYGPS LMPGGNKEAW PHIKTIFQAI AAKVGTGEPG CDWVGDEGAG HFVKMVHNGI EYGDMQLICE AYHLMKDVLG MRHEEMAQAF EDWNKTELDS FLIEITANIL KFQDTDGKEL LPKIRDSAGQ KGTGKWTAS ALEYGMPVTL IGEAVFARCL SSLKEERVQA SRKLGPKMV QLEGSQAFLE EDVRKALYAS KIISYAQGM LLRQAATEFG WTLNYGGIAL MWRGGCIIRS VFLGKIKDAF ERNPELQNL LDDFFKSAVD DCQDSWRRVI STGVQAGIPM PCFTTALSFY DGYRHEMLPA NLIQAQRDYF GAHTYELLSK PGEFIHTNWT GHGGSVSSSS YNA
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

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Purity: > 90 %

## Target Details

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Target: PGD

Alternative Name: 6-phosphogluconate dehydrogenase, decarboxylating (Pgd) ([PGD Products](#))

Background: Recommended name: 6-phosphogluconate dehydrogenase, decarboxylating.  
EC= 1.1.1.44

UniProt: [P85968](#)

## 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 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.