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Datasheet for ABIN1663100  
**PGD Protein (AA 1-481) (His tag)**

### Overview

Quantity:	1 mg
Target:	PGD
Protein Characteristics:	AA 1-481
Origin:	Fruit Fly ( <i>Ceratitis capitata</i> )
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGD protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MSAKADIALI GLAVMGQNLV LNMNDKGFVV CAYNRTVEKV NQFLKNEAKG TNVIGATSLQ DMVNKLKLPK KIMLLVKAGS AVDDFIQQLV PLLSPGDVII DGGNSEYQDT ARRCDELRAK KILYVGSQVS GGEEGARHGP SLMPGGHPEA WPLIQPIFQS ICAKADKEPC CEWVGEGGAG HFVKMVHNGI EYGDMQLICE AYQIMKALGL SQAEMATEFE KWNSEELDSF LIEITRDILN YQDDRGYLLE RIRDTAGQKG TGKWTASAL QYGVVPTLIG EAVFSRCLSA LKDERVAASK QLKGPVNAK VEDLPKFLNH IKHALYCSKI VSYAQGFMLM REAAKENNWN LNYGGIALMW RGGCIIRSVF LGNIKDAYTR NPQLSNLLLD DFFKKAIEVG QNSWRQVVAN AFLWGIPVPA LSTALSFYDG YRTEKLPANL LQAQRDYFGA HTYELLGAEG KFHVTNWTGT GGNVSASTYQ A
Specificity:	<i>Ceratitis capitata</i> (Mediterranean fruit fly) ( <i>Tephritis capitata</i> )
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in <i>E. coli</i> , 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: [P41570](#)

## 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.