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Datasheet for ABIN7317885  
**PGD Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	PGD
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGD protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human PGD Protein (E.coli, His Tag)
Sequence:	Met 1-Ala 483
Characteristics:	A DNA sequence encoding the human PGD (P52209) (Met 1-Ala 483) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.

### Target Details

Target:	PGD
Alternative Name:	PGD ( <a href="#">PGD Products</a> )
Background:	Background: 6-phosphogluconate dehydrogenase(PGD) is a cytoplasm-located protein, and belongs to the 6-phosphogluconate dehydrogenase family. 6PGD is the second dehydrogenase in the pentose phosphate shunt. It catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO <sub>2</sub> , with concomitant reduction of NADP to

## Target Details

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NADPH. Mutations within the gene coding this enzyme result in 6-phosphogluconate dehydrogenase deficiency, an autosomal hereditary disease effecting the red blood cells.  
Synonym: 6-phosphogluconate dehydrogenase, Decarboxylating,PGD,PGDH,6PGD

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Molecular Weight: 54.6 kDa

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UniProt: [P52209](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from sterile PBS, pH 8.0

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.