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Datasheet for ABIN7319375
PGD Protein (His tag)

Overview

Quantity:	50 µg
Target:	PGD
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PGD Protein (Human Cells, His Tag)
Sequence:	Met 1-Ala483
Characteristics:	Recombinant Human 6-phosphogluconate dehydrogenase is produced by our Mammalian expression system and the target gene encoding Met1-Ala483 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PGD
Alternative Name:	PGD (PGD Products)
Background:	Background: 6-phosphogluconate dehydrogenase(PGD) is a cytoplasm-located protein, and belongs to the 6-phosphogluconate dehydrogenase family. 6PGD is the second dehydrogenase

Target Details

in the pentose phosphate shunt. It catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO₂, with concomitant reduction of NADP to 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

Molecular Weight: 54.2 kDa

UniProt: [P52209](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.