

Datasheet for ABIN1098613

Glucose-6-Phosphate Dehydrogenase Protein (G6PD) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Origin:	Human
Source:	Hi-5 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glucose-6-Phosphate Dehydrogenase protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purification:	purified by using conventional chromatography.
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Alternative Name:	G6PD (G6PD Products)
Background:	Glucose-6-phosphate dehydrogenase (G6PD) is the rate-limiting enzyme of the pentose phosphate pathway, a metabolic pathway that supplies reducing energy to cells by maintaining the level of NADPH. G6PD converts glucose-6-phosphate into 6-phosphoglucono-delta-lactone and simultaneously produce NADPH. The NADPH in turn maintains the level of glutathione in these cells that helps protect the red blood cells against oxidative damage. G6PD deficiency cause acute hemolytic anemia. Recombinant human G6PD protein, fused to His-tag at N-

Target Details

terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.

Molecular Weight: 61.4kDa (535aa)

NCBI Accession: [NP_001035810](#)

Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Comment: Synonyms: glucose-6-phosphate 1-dehydrogenase, G6PD1

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 MM PMSF, 2 mM EDTA, 2 mM DTT, 200 mM NaCl

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.

Images

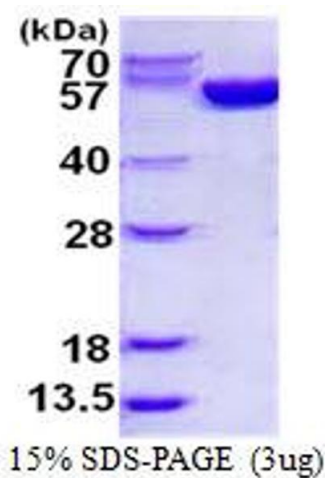


Image 1.