

Human PGD / Phosphogluconate dehydrogenase Protein (His Tag)

Catalog Number: 10393-H07E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

6PGD; 0610042A05Rik; AU019875; C78335

Protein Construction:

A DNA sequence encoding the human PGD (P52209) (Met 1-Ala 483) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 88 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human PGD consisting of 494 amino acids and has a calculated molecular mass of 54.6 kDa. It migrates as an approximately 46 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

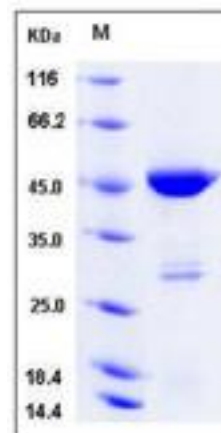
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Baillet A, *et al.* (2011) Coupling of 6-phosphogluconate dehydrogenase with NADPH oxidase in neutrophils: Nox2 activity regulation by NADPH availability. *FASEB J.* 25(7): 2333-43.
2. Rho HK, *et al.* (2005) Transcriptional regulation of mouse 6-phosphogluconate dehydrogenase by ADD1/SREBP1c. *Biochem Biophys Res Commun.* 332(1): 288-96.
3. Broedel SE, *et al.* (1990). Genetic tagging, cloning, and DNA sequence of the *Synechococcus* sp. strain PCC 7942 gene (*gnd*) encoding 6-phosphogluconate dehydrogenase. *J Bacteriol.* 172 (7): 4023-31.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>