

Recombinant Human PGD protein (His tag)

Catalog Number:PDEH100362



Note: Centrifuge before opening to ensure complete recovery of vial contents.

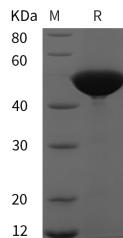
Description

Synonyms	6-phosphogluconate dehydrogenase;Decarboxylating;PGD;PGDH;6PGD
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ala 483
Accession	P52209
Calculated Molecular Weight	53.0 kDa
Observed molecular weight	55 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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