Recombinant Human PGD Protein (Human Cells, His Tag)

Catalog No. PKSH033424

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

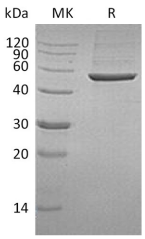
Description

Synonyms	6-phosphogluconate dehydrogenase;Decarboxylating;PGD;PGDH;6PGD
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ala483
Accession	P52209
Calculated Molecular Weight	54.2 kDa
Observed molecular weight	58 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Not Applicable

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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