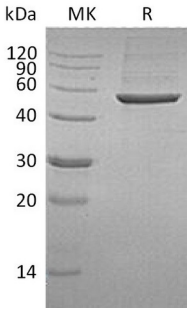
Product Name: Recombinant Human 6PGD (C-6His)
Catalog #: PHH0006

Summary

Name	6-phosphogluconate dehydrogenase, decarboxylating/PGD
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P52209
Host	Human Cells
Species	Human
Predicted Molecular Mass	54.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	6-phosphogluconate dehydrogenase; decarboxylating; PGD; PGDH
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.

Note

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