

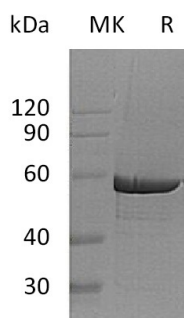
Product Name: Recombinant Human G6PD (C-6His)
Catalog #: PHH0693



概述 (Summary)

英文全称	G6PD/Glucose-6-phosphate 1-dehydrogenase
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Glucose-6-Phosphate 1-Dehydrogenase is produced by our Mammalian expression system and the target gene encoding Ala2-Leu515 is expressed with a 6His tag at the C-terminus.
Accession #	P11413
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	60.2 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Citrate, 15% Trehalose, 150mM NaCl, 0.05% Tween 80, pH5.5.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (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.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Glucose-6-Phosphate 1-Dehydrogenase; G6PD

背景介绍 (References)

Glucose-6-Phosphate 1-Dehydrogenase (G6PD) is a cytosolic enzyme that belongs to the glucose-6-phosphate dehydrogenase family. G6PD participates in the pentose phosphate pathway that supplies reducing energy to cells by maintaining the level of the co-enzyme nicotinamide adenine dinucleotide phosphate (NADPH). G6PD produces pentose sugars for nucleic acid synthesis and main producer of NADPH reducing power. NADPH in turn maintains the level of glutathione in these cells that helps protect the red blood cells against oxidative damage. It is notable in humans that G6PD is remarkable for its genetic diversity. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.