

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

G6PD, 1-515aa, Human, His tag, Baculobirus

产品货号: TP02170

第三版

**别名:** Glucose-6-phosphate 1-dehydrogenase, G6PD1.

**描述:** Glucose-6-phosphate dehydrogenase (G6PD) is the rate-limiting enzyme of the pentose phosphate pathway, a metabolic pathway that supplies reducing energy to cells by maintaining the level of NADPH. G6PD converts glucose-6-phosphate into 6-phosphoglucono- $\delta$ -lactone and simultaneously produce NADPH. The NADPH in turn maintains the level of glutathione in these cells that helps protect the red blood cells against oxidative damage.

**配方:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1mM PMSF, 2mM EDTA, 2mM DTT, 200mM NaCl

**分子量:** 61.4kDa (535aa)

**序列:**

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MGSSHHHHHHSSGLVPRGSHMAEQVALSRTQVCGILREELFQGDAFHQSDTHIFIIIMGASGDLAKKKIYPTIWWLFRDGL  
LPENTFIVGYARSRLTVADIRKQSEPFKATPEEKLKLEDFARNYSYVAGQYDDAASYQRLNSHMNALHLGSQANRLFYLA  
LPPTVYEAVTKNIHESCMSQIGWNRHVEKPFGRDLQSSDRLSNHISLRFREDQIYRIDHYLGKEMVQNLMLVLRFANRIFGPI  
WNRDNIACVILTFKEPFGTEGRGGYFDEFGIIRDVMQNHLLQMLCLVAMEKPASTNSDDVRDEKVKVLKCISEVQANNV  
VLGQYVGNPDGEGEATKGYLDDPTVPRGTTATFAAVVLYVENERWDGVPFILRCGKALNERKAEVRLQFHDVAGDIF  
HQQCKRNELVIRVQPNEAVYTKMMTKKPGMFFNPEEELDLTYGNRYKNVKLPDAYERLILDVFCGSQMHFVRSDELRE  
AWRIFTPLLHQIELEKPKPIPIYIGSRGPTEADELMKRVGFQYEGTYKVVNPHKL
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**纯度:** > 95% by HPLC

**浓度:** 0.5mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.