

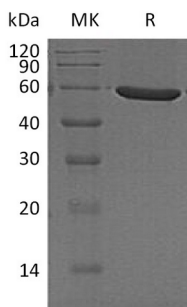
**Product Name: Recombinant Human PFKFB1 (C-6His)**  
**Catalog #: PHH1314**



## 概述 (Summary)

|                             |                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | PFKFB1/PFK/FBPase 1                                                                                                                                                                                              |
| 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 6-Phosphofructo-2-kinase/Fructose-2,6-bisphosphatase 1 is produced by our Mammalian expression system and the target gene encoding Ser2-Tyr471 is expressed with a 6His tag at the C-terminus. |
| Accession #                 | P16118                                                                                                                                                                                                           |
| 蛋白标签 (Tag)                  |                                                                                                                                                                                                                  |
| 表达宿主 (Host)                 | Human Cells                                                                                                                                                                                                      |
| 种属 (Species)                | Human                                                                                                                                                                                                            |
| 预测分子量 (Predicted MW)        | 55.6 KDa                                                                                                                                                                                                         |
| 蛋白形态 (Form)                 | Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5%Trehalose, 1mM EDTA, 10% Glycerol, 0.1%Tween 80, pH7.8.                                                                                         |
| 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)**

6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2; 6-P2ase liver isozyme; Fructose-2; 6-bisphosphatase; PFKFB1; F6PK; PFRX

**背景介绍 (References)**

6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1 is an enzyme that in humans is encoded by the PFKFB1 gene. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. It belongs to the phosphoglycerate mutase family. Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis.

**注意事项 (Note)**

For Research Use Only , Not for Diagnostic Use.