

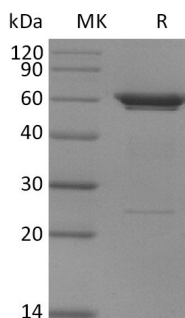
**Product Name: Recombinant Human PFKFB3 (N-6His)**  
**Catalog #: PEH2228**



## 概述 (Summary)

|                             |                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | PFKFB3                                                                                                                                                                                                        |
| 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 3 is produced by our E.coli expression system and the target gene encoding Met1-His520 is expressed with a 6His tag at the N-terminus. |
| Accession #                 | Q16875                                                                                                                                                                                                        |
| 蛋白标签 (Tag)                  |                                                                                                                                                                                                               |
| 表达宿主 (Host)                 | E.coli                                                                                                                                                                                                        |
| 种属 (Species)                | Human                                                                                                                                                                                                         |
| 预测分子量 (Predicted MW)        | 61.8 KDa                                                                                                                                                                                                      |
| 蛋白形态 (Form)                 | Supplied as a 0.2 μm filtered solution of 20mM PB, 50mM KCl, 5mM DTT, 0.1mM EDTA, 50% glycerol, 0.1% TritonX-100, pH 6.0.                                                                                     |
| 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)**

IPFK2; PFK2; iPFK-2; PFK/FBPase 3

**背景介绍 (References)**

Fructose-2,6-biphosphatase 3, also known as 6-phosphofructo-2-kinase or PFK2 or PFKFB3, involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls the activity of the enzymes phosphofructokinase 1 (PFK-1) and fructose 1,6-bisphosphatase (FBPase-1) to regulate glycolysis and gluconeogenesis. Highly phosphorylated PFKFB3 protein was found in human tumor cells, vascular endothelial cells, and smooth muscle cells. Because of its proto-oncogenic character, the PFK-2/FBPase-2 of the PFKFB3 gene is assumed to play a critical role in tumorigenesis. PFKFB3 also plays a crucial role in the progression of cancerous cells by enabling their glycolytic pathways even under severe hypoxic conditions, which makes it a potential target for cancer therapy.

**注意事项 (Note)**

For Research Use Only , Not for Diagnostic Use.