**Product Name: Recombinant Human IGFBP-4 (C-6His)**
**Catalog #: PHH0844**

## 概述（Summary）

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|---|---|
| **英文全称** | IGFBP-4 |
| **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 Insulin-Like Growth Factor-Binding Protein 4 is produced by our Mammalian expression system and the target gene encoding Asp22-Glu258 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | P22692 |
| **蛋白标签（Tag）** | |
| **表达宿主（Host）** | Human Cells |
| **种属（Species）** | Human |
| **预测分子量（Predicted MW）** | 27.01 KDa |
| **蛋白形态（Form）** | Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. |
| **储存缓冲液（Buffer）** | |
| **运输方式（Shipping）** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| **稳定性&储存（Stability &Storage）** | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| **复溶（Reconstitution）** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## 电泳图（SDS-PAGE image）

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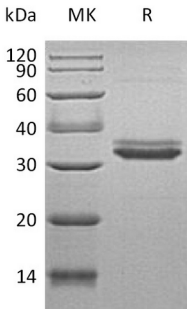


## 背景（Background）

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|---|---|
| **分子别名（Alternative Names）** | Insulin-Like Growth Factor-Binding Protein 4; IBP-4; IGF-Binding Protein 4; IGFBP-4; IGFBP4; IBP4 |
| **背景介绍（References）** | Insulin-like growth factor binding protein 4 (IGFBP-4) is a 24 kDa protein that binds insulin-like growth factor 1 (IGF-1) and IGF-2 with high affinity and inhibits IGF action in vitro. All members of the IGFBP family can bind IGF-I and IGF-II with about equal affinity, but IGFBP-4 binds IGF2 more than IGF1. It contains IGFBP N-terminal domain and thyroglobulin type-1 domain. IGFBP-4 is induced by forskolin and N6, O2′ dibutyryl sdenosine 3′ , or 5′ -cyclic monophosphate. The IGF-binding proteins can prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. |

## 注意事项（Note）

For Research Use Only , Not for Diagnostic Use.