**Product Name: Recombinant Human IL-16**
**Catalog #: PEH0874**

## 概述（Summary）

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| **英文全称** | IL-16 |
| **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 Interleukin-16 is produced by our E.coli expression system and the target gene encoding Met1-Ser130 is expressed. |
| **Accession #** | AAC12732.1 |
| **蛋白标签（Tag）** | |
| **表达宿主（Host）** | E.coli |
| **种属（Species）** | Human |
| **预测分子量（Predicted MW）** | 13.4 KDa |
| **蛋白形态（Form）** | Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.0. |
| **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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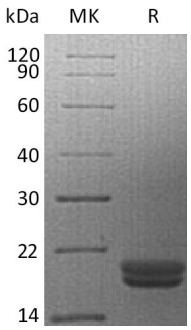


## 背景（Background）

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| **分子别名（Alternative Names）** | Pro-Interleukin-16; Interleukin-16; IL-16; Lymphocyte Chemoattractant Factor; LCF; IL16 |
| **背景介绍（References）** | Interleukin-16 (IL-16) is a CD8+ T cell-derived cytokine that induces chemotaxis of CD4+ T cells and CD4+ monocytes and eosinophils. Analysis by gel filtration suggests that, under physiological conditions, human IL-16 exists predominantly as a noncovalently linked multimer, but that some IL-16 may exist as a monomer. However, only the multimeric form appears to possess chemotactic activity, suggesting that receptor cross-linking may be required for activity. IL-16 also induces expression of IL-2 receptor (IL-2R) and MHC class II molecules on CD4+ T cells. Human and murine IL-16 show significant cross-species reactivity. |

## 注意事项（Note）

For Research Use Only , Not for Diagnostic Use.