

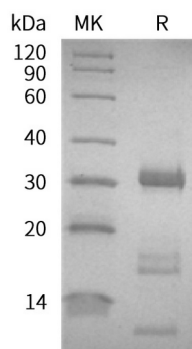
**Product Name: Recombinant Human KLK2 (C-6His)**  
**Catalog #: PHH1033**



## 概述 (Summary)

|                             |                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | Kallikrein 2/KLK2                                                                                                                                                       |
| 纯度 (Purity)                 | Greater than 95% as determined by reducing SDS-PAGE                                                                                                                     |
| 内毒素 (Endotoxin level)       | <0.01 EU/μg as determined by LAL test.                                                                                                                                  |
| 蛋白构建 (Construction)         | Recombinant Human Kallikrein 2 is produced by our Mammalian expression system and the target gene encoding Pro19-Pro261 is expressed with a 6His tag at the C-terminus. |
| Accession #                 | P20151                                                                                                                                                                  |
| 蛋白标签 (Tag)                  |                                                                                                                                                                         |
| 表达宿主 (Host)                 | Human Cells                                                                                                                                                             |
| 种属 (Species)                | Human                                                                                                                                                                   |
| 预测分子量 (Predicted MW)        | 27.9 KDa                                                                                                                                                                |
| 蛋白形态 (Form)                 | Supplied as a 0.2 μm filtered solution of 20mM Acetate, 250mM Trehalose, 0.02% Tween 80, pH5.0.                                                                         |
| 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)**

Kallikrein-2; Glandular Kallikrein-1; hGK-1; Tissue Kallikrein-2; KLK2

**背景介绍 (References)**

Kallikrein-2 (KLK2) is a secreted serine protease that belongs to the peptidase S1 family of Kallikrein subfamily. KLK2 contains 1 peptidase S1 domain. It is highly expressed in the human prostate gland. KLK2 can cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin, but Preferential cleavages of Arg-|-Xaa bonds in small molecule substrates. It also highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met-|-Xaa or Leu-|-Xaa. KLK2 is inhibited by serpins such as protein C inhibitor, antichymotrypsin, and plasminogen. KLK2 is considered to be a biomarker for prostate cancer.

**注意事项 (Note)**

For Research Use Only , Not for Diagnostic Use.