

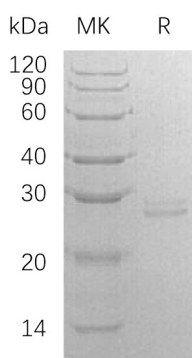
**Product Name: Recombinant Human RPE (C-6His)**  
**Catalog #: PEH1440**



## 概述 (Summary)

|                             |                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | Ribulose-phosphate 3-epimerase/RPE                                                                                                                                                    |
| 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 Ribulose-Phosphate 3-Epimerase is produced by our E.coli expression system and the target gene encoding Met1-Arg228 is expressed with a 6His tag at the C-terminus. |
| Accession #                 | Q96AT9-1                                                                                                                                                                              |
| 蛋白标签 (Tag)                  |                                                                                                                                                                                       |
| 表达宿主 (Host)                 | E.coli                                                                                                                                                                                |
| 种属 (Species)                | Human                                                                                                                                                                                 |
| 预测分子量 (Predicted MW)        | 25.9 KDa                                                                                                                                                                              |
| 蛋白形态 (Form)                 | Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 10% Sucrose, 0.05% Tween80, pH7.2.                                                                                     |
| 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)**

Ribulose-Phosphate 3-Epimerase; Ribulose-5-Phosphate-3-Epimerase; RPE; HUSSY-17

**背景介绍 (References)**

Ribulose-Phosphate 3-Epimerase (RPE) is a member of the Ribulose-Phosphate 3-Epimerase family. RPE exists as a homodimer and catalyzes the reversible epimerization of D-ribulose 5-phosphate to D-xylulose 5-phosphate. RPE binds one divalent metal cation per subunit and contains tightly bound  $\text{Fe}^{2+}$  when produced in *E. coli*, but the physiological cofactor may be  $\text{Co}^{2+}$ ,  $\text{Mn}^{2+}$  or  $\text{Zn}^{2+}$ . It has been shown that RPE participates in 3 metabolic pathways: pentose phosphate pathway, pentose and glucuronate interconversions, and carbon fixation.

**注意事项 (Note)**

For Research Use Only , Not for Diagnostic Use.