

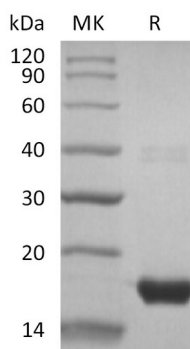
**Product Name: Recombinant Human GGACT (N-6His)**  
**Catalog #: PEH1435**



## 概述 (Summary)

|                             |                                                                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | r-Glutamylaminecyclotransferase/Ggact                                                                                                                                                      |
| 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 Gamma-Glutamylaminecyclotransferase is produced by our E.coli expression system and the target gene encoding Met1-Arg153 is expressed with a 6His tag at the N-terminus. |
| Accession #                 | Q9BVM4                                                                                                                                                                                     |
| 蛋白标签 (Tag)                  |                                                                                                                                                                                            |
| 表达宿主 (Host)                 | E.coli                                                                                                                                                                                     |
| 种属 (Species)                | Human                                                                                                                                                                                      |
| 预测分子量 (Predicted MW)        | 19.5 KDa                                                                                                                                                                                   |
| 蛋白形态 (Form)                 | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 10% Glycerol, pH 8.0.                                                                                                 |
| 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)**

Gamma-Glutamylaminecyclotransferase; GGACT; AIG2-Like Domain-Containing Protein 1; A2LD1

**背景介绍 (References)**

Gamma-Glutamylaminecyclotransferase is an enzyme that converts gamma-glutamylamines to free amines and 5-oxoproline which belongs to the gamma-glutamylcyclotransferase family. It shows high activity toward gamma-glutamyl-epsilon-lysine, derived from the breakdown of fibrin and contributes to degradation of proteins cross-linked by transglutaminases. It degrades the cross-link between a lysine and a glutamic acid residue from two proteins that have been cross-linked by transglutaminases. This protein adopts the newly identified cyclotransferase fold, observed in Gamma-Glutamylcyclotransferase, an enzyme with activity toward gamma-glutamyl-alpha-amino acids.

**注意事项 (Note)**

For Research Use Only , Not for Diagnostic Use.