**产品名称：Recombinant Mouse Serpin E2 (C-10His)**
**产品货号：PHM1512**

## 概述（Summary）

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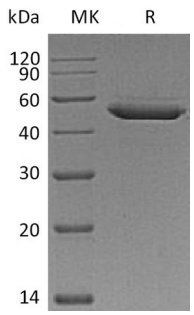
|---|---|
| **英文全称** | Serpin E2/PN1 |
| **纯度（Purity）** | Greater than 95% as determined by reducing SDS-PAGE |
| **内毒素（Endotoxin level）** | <1 EU/μg as determined by LAL test. |
| **蛋白构建（Construction）** | Recombinant Mouse Glia-derived Nexin is produced by our Mammalian expression system and the target gene encoding Ser20-Pro397 is expressed with a 10His tag at the C-terminus. |
| **Accession #** | Q07235 |
| **表达宿主（Host）** | Human Cells |
| **种属（Species）** | Mouse |
| **预测分子量（Predicted MW）** | 43.2 KDa |
| **制剂（Form）** | Supplied as a 0.2 μm filtered solution of 20mM Sodium Acetate, 150 mM NaCl, 5% Trehalose, 5% Mannitol, 0.02% Tween 80, 1mM EDTA, pH 4.0. |
| **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）** | Glia-derived nexin; GDN; Peptidase inhibitor 7; PI-7; Protease nexin 1; PN-1; Protease nexin I; Serine protease-inhibitor 4; Serpin E2; Pi7; Pn1; Spi4 |
| **背景介绍（References）** | Serpin E2 is a member of the Serpin superfamily. It is differentially expressed during neuronal differentiation and is able to transform human embryonic kidney cells into neuronlike cells. Its over-expression in mice leads to progressive neuronal and motor dysfunction in these animals. It is also over-expressed in the majority of pancreatic carcinoma as well as gastric and colorectal cancer samples whereas it is weakly expressed in all normal pancreas and chronic pancreatitis tissue samples. Serpin E2 is a potent inhibitor of thrombin, trypsin, urokinase, plasmin and plasminogen activators. It plays an important role in controlling male fertility because its knockout male mice show a marked impairment in fertility from the onset of sexual maturity and its abnormal expression is found in the semen of men with seminal dysfunction. |

## 注意事项（Note）

For research use only .