

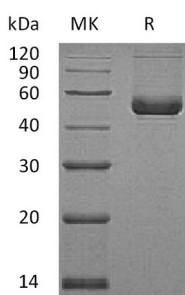
**Product Name: Recombinant Human Serpin E2 (C-6His)**  
**Catalog #: PHH1511**



## Summary

<b>Name</b>	Serpin E2/PN1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Glia-derived Nexin is produced by our Mammalian expression system and the target gene encoding Ser20-Pro397 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	P07093-2
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	42.7 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 10% Glycerol, 8% Sucrose, 0.05% Tween 80, pH7.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Glia-derived Nexin; GDN; Peptidase inhibitor 7; PI-7; Protease nexin 1; PN-1; Protease nexin I; Serpin E2; SERPINE2; PI7; PN1
<b>Background</b>	Serpin E2 is a secreted protein that belongs to the serpin family. Serpin E2 is a serine protease inhibitor with activity toward thrombin, trypsin, and urokinase. Serpin E2 expression is weak or absent in all normal pancreas and chronic

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pancreatitis tissue. In contrast, it was strongly over-expressed in the majority of pancreatic carcinoma as well as gastric and colorectal cancer samples. Serpin E2 promotes neurite extension by inhibiting thrombin. It also can bind heparin. It has been shown that Serpin E2 is a novel target of ERK signaling involved in human colorectal tumorigenesis. 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.

### **Note**

For Research Use Only , Not for Diagnostic Use.