

Catalog No.: RP03178LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	5270	P07093-2

C-His

Glia-derived Nexin; GDN; Peptidase inhibitor 7; PI-7; Protease nexin 1; PN-1; Protease nexin I; Serpin E2; SERPINE2; PI7; PN1

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

42.7 KDa 50 KDa

< 1 EU/μg of the protein by LAL method.

Supplied as a 0.22 µm filtered solution in 20mM Tris-HCl, 150mM NaCl, pH 8.0.

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 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.

Recombinant Human Serpin E2/PN1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser20-Pro397) of Human Serpin E2/PN1 (Accession #NP_001130000.1) fused with a 6xHis tag at the C-terminus.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

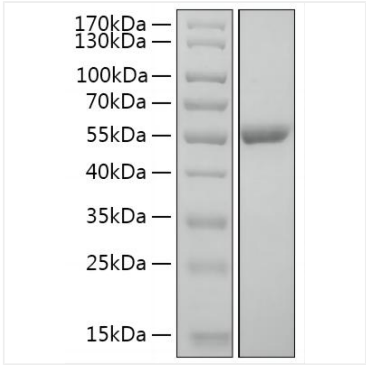
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human Serpin E2/PN1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.