

# Recombinant Human Serpin E2 Protein

Catalog No.: RP03178LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5270	P07093-2

### Tags

C-His

### Synonyms

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

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

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

### Formulation

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

### Reconstitution

## Background

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.

## Basic Information

### Description

Recombinant Human Serpin E2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser20-Pro397) of Human Serpin E2 (Accession #NP\_001130000.1) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

This product is stable at ≤ -70°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.

## Contact

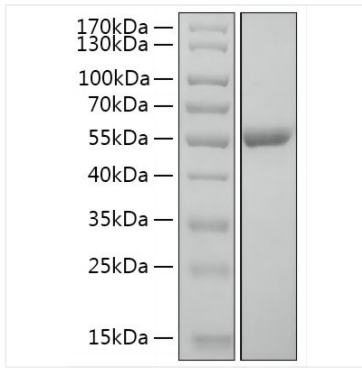
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## Validation Data

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Recombinant Human TNFRSF19/TROY  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing a band at 50 kDa.