Recombinant Human Serpin E2/PN1 Protein

Catalog No.: RP03178LQ

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Sequence Information

Species
Human

Gene ID
5270

Swiss Prot
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
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
42.7 KDa

Observed MW
50 KDa

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/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 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

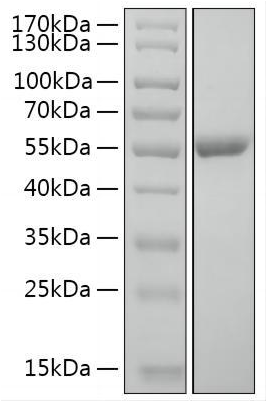
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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