

32-7724: Recombinant Human Serpin E2/PN1 (C-6His)

Gene : SERPINE2

Gene ID : 5270

Uniprot ID : P07093

Description

Source: Human Cells.

MW :42.7kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : SHFNPLSLEELGSNTGIQVFNQIVKSRPHDNIVISPHGIASVLGMLQLGADGRTKKQLAMVMRYGVNGVGKILK
KINKAIVSKKNKDIVTVANAVFVKNASEIEVPFVTRNKDVFQCEVRNVNFEDPASACDSINAWVKNETRDMIDN
LLSPDLIDGVLTRLVLVNAVYFKGLWKSRLFQENTKKRTFVAADGKSYQVPMLAQLSVFRCGSTSAPNDLWYN
FIELPYHGESISMLIALPTESSTPLSAIIPHISTKTIDSWMSIMVPKRQVILPKFTAQAQDLKEPLKVLGITDMFDS
SKANFAKITRSENHVVSHILQKAKIEVSEDGKASAAATTAILARSSPPWFIVDRPFLFFIRHNPTGAVLFMGQINK
PHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.