

**Serpin A5, 20-406 aa, Human, His-tag, E.coli**

**Cat.NO.: TP03896**

3th Edition

**Synonyms:**Serpin peptidase inhibitor, clade A, member 5, PAI3, PCI, PROCI

**Description:**Serpin A5, also known as PCI (Protein C Inhibitor) or PAI3 (plasminogen activator inhibitor 3), is a member of the serpin serine proteinase inhibitor family. This protein inhibits plasminogen activators as well as activated protein C. Serpin A5 is secreted in plasma, but is also expressed in liver. Serpin A5 is involved in cell inflammation, proliferation, apoptosis, tumour cell migration, invasion, and metastasis. Recombinant Serpin A5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM MES buffer (pH6.0) containing 150mM NaCl 10% glycerol.

**Molecular Weight:**45.9 kDa (408aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMHRHHPREMKKRVEDLHVGATVAPSSRRDFTFDLYRALASAAPSQNIFFSPVVIS  
MSLAML<sub>2</sub>SLGAGSSTKM<sub>2</sub>QILEGLGLNLQKSSEKELHRGFQQLLQELNQP<sub>2</sub>RDGFQLSLGNALFTDLVVDLQDTFVSAM  
KTLYLADTFPTNFRDSAGAMKQINDYVAKQTKGKIVDLLKNLDSNAV<sub>2</sub>VIMVNYIFFKAKWETSFNHKG<sub>2</sub>TQE<sub>2</sub>QDFYVT  
SETVVRVP<sub>2</sub>MMSREDQYHYLLDRNLSCR<sub>2</sub>VGV<sub>2</sub>PYQGNATALFILPSEGKMQQVENGLSEKTLRKWLKMFKKRQLEL  
YLPKFSIEGSYQLEKVLPSLGISNVFTSHADLSGISNHSNIQVSEM<sub>2</sub>VHKAVVEVDESGTRAAAATGTIFTFRSARLNS  
QRLVFNRPF<sub>2</sub>LMFIVDNNILFLGKV<sub>2</sub>NRP

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.