

**PI3, 23-117aa, Human, His tag, E.coli**

**Cat.NO.: TP03402**

3th Edition

**Synonyms:**Elafin preproprotein, Cementoin, ESI, SKALP, WAP3, WFDC14

**Description:**PI3 is an elastase-specific protease inhibitor, which contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. PI3 belongs to the centromeric cluster. Recombinant human PI3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT.

**Molecular Weight:**12 kDa (118aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGS AVTGV PVKGQDTV KGRVPFNGQDPVKGQSVKGGQDKVKAQEPVKGPVST  
KPGSCPIILIRCAMLNPPNRCLKDTDCPGIKKCEGSCGMACFVPQ

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/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.