

Product information



PI3, 23-117aa

Human, His-tagged, Recombinant, *E.coli*

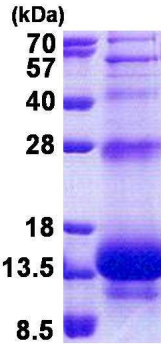
Cat. No. IBATGP2244

Full name: Elafin preproprotein

NCBI Accession No.: NP_002629

Synonyms: 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.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT.</p> <p>Molecular Weight: 12 kDa (118aa) confirmed by MALDI-TOF</p> <p>Purity: > 80% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSAVTGVPV</u> <u>KGQDTVKGRV</u> <u>PFNGQDPVKG</u> <u>QSVKGGQDKV</u> <u>KAQEPVKGPV</u> <u>STKPGSCP</u> <u>II</u> <u>LIRCAMLNPP</u> <u>NRCLKD</u><u>TD</u><u>CP</u> <u>G</u><u>IKK</u><u>CEGSC</u> <u>G</u><u>MACFVPQ</u></p>	

General references:

Sumi Y, Inoue N, *et al.* (2002). *Atherosclerosis*. 160(1):31-9.

Kuijpers AL, Pfundt R, *et al.* (1998). *Clin Genet*. 54(1):96-101.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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