

Recombinant Human PI3 , His-tagged

Cat. No. PI3-15888H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PI3 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	23-117aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	12 kDa (118aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGS AVTGVPV KGQDTVKG RV PFNGQDPVKG QVSVKGGQDKV KAQEPVKGPV STKPGSCPII LIRCAMLNPP NRCLKD TDCP GIKKCCEGSC GMACFVPQ
Purity	>80% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PI3 peptidase inhibitor 3, skin-derived [Homo sapiens]
Official Symbol	PI3
Synonyms	PI3; peptidase inhibitor 3, skin-derived; protease inhibitor 3, skin derived (SKALP); elafin; cementoin; ELAFIN; ESI; SKALP; skin derived antileukoproteinase; trappin 2; WAP3; WFDC14; PI-3; trappin-2; pre-elafin; protease inhibitor WAP3; elastase-specific inhibitor; skin-derived antileukoproteinase; WAP four-disulfide core domain 14; WAP four-disulfide core domain protein 14; protease inhibitor 3, skin-derived (SKALP); MGC13613;
Gene ID	5266
mRNA Refseq	NM_002638
Protein Refseq	NP_002629
MIM	182257
UniProt ID	P19957
Chromosome	20q13.12

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Location**Function**

endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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