

Recombinant Human PI3, His-tagged

Cat. No. PI3-95H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PI3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	PI3, also known as elafin or peptidase inhibitor 3, is neutrophil and pancreatic elastase-specific inhibitor of skin. It may prevent elastase-mediated tissue proteolysis.
Form	Liquid. In phosphate buffered saline (pH7.4), 10% glycerol.
Molecular Mass	10.7kDa (101aa) confirmed by MALDI-TOF.8.5-13.5kDa (SDS-PAGE under reducing conditions.)
AA Sequence	AVTGVPVKGQ DTVKGRVPFN GQDPVKGQVS VKGQDKVKAQ EPVKGPVSTK PGSCPIILIR CAMLNPPNRC LKDTDCPGIK KCCEGSCGMA CFVPQH HHHHH H
Endotoxin	< 1.0 eu per 1 microgram of protein (determined by lal
Purity	>85% by SDS - PAGE.
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

 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

Concentration 0.2mg/ml (determined by BCA)

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 Location 20q13.12

Function endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

 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