

Recombinant Human PI3, His-tagged

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

SPECIFICATION

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|-------------------------|--|
| 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. |

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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;

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