

Recombinant Human PI3 Protein, His-tagged

Cat. No. PI3-212H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PI3 fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria, and fungal pathogens. The protein 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. This gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines.
Form	Supplied as a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5
Molecular Mass	11kD
AA Sequence	AVTGVPVKGQDTVKGRVPPFNGQDPVKGQVSVKGQDKVKAQEPVKGPVSTKPGSC PIILIRCAMLNPPNRCLKDTDCPGIKKCEGSCGMACFVPQVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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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](#)

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