Recombinant Human PI3 protein, His-tagged

Cat. No. PI3-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PI3 protein, fused to His-tag, was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	23-117aa
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 upgulated by bacterial lipopolysaccharides and cytokines.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) 10% glycerol.
Molecular Mass	10.7 kDa
AA Sequence	AVTGVPVKGQ DTVKGRVPFN GQDPVKGQVS VKGQDKVKAQ EPVKGPVSTK PGSCPIILIR CAMLNPPNRC LKDTDCPGIK KCCEGSCGMA CFVPQHHHHH H
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method).

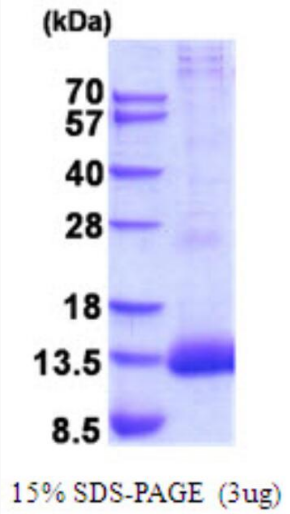
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Purity	> 85%
Applications	SDS-PAGE
Storage	Can be stored at 2 centigrade to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.2mg/ml

GENE INFORMATION

Gene Name	PI3 peptidase inhibitor 3 [Homo sapiens (human)]
Official Symbol	PI3
Synonyms	Elafin preproprotein; Cementoin; ESI; SKALP; WAP3; WFDC14
Gene ID	5266
mRNA Refseq	NM_002638
Protein Refseq	NP_002629
MIM	182257
UniProt ID	P19957

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15% SDS-PAGE(3ug)	 15% SDS-PAGE (3ug) 3ug by SDS-PAGE under reducing condition and visualized bycoomassie blue stain.

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