

HuPro®

## PI3 (Human) Recombinant Protein

Catalog # H00005266-H02

Size 25 ug

### Specification

<b>Product Description</b>	Purified PI3 (NP_002629.1, 61 a.a. - 117 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.
<b>Transfected Cell Line</b>	Human HEK293H cells
<b>Sequence</b>	AQEPVKGPVSTKPGSCPIILRCAMLNPPNRCLKDTCPGIKKCEGSCGMACFVPQ
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	11.55
<b>Form</b>	Liquid
<b>Preparation Method</b>	Transfection of pSuper-PI3 plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
<b>Purification</b>	<i>Strep</i> -Tactin affinity columns
<b>Concentration</b>	≥ 10 ug/ml
<b>Storage Buffer</b>	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

### Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

## Gene Info — PI3

**Entrez GeneID** [5266](#)

**GeneBank Accession#** [NM\\_002638.2](#)

**Protein Accession#** [NP\\_002629.1](#)

**Gene Name** PI3

**Gene Alias** ESI, MGC13613, SKALP, WAP3, WFDC14, cementoin

**Gene Description** peptidase inhibitor 3, skin-derived

**Omim ID** [182257](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria. 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. [provided by RefSeq]

**Other Designations** OTTHUMP00000031100|WAP four-disulfide core domain 14|elafin|elastase-specific inhibitor|protease inhibitor 3, skin-derived (SKALP)|skin-derived antileukoproteinase

## Disease

- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Respiratory Distress Syndrome](#)