

# Recombinant Human PI3 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07788

**Protein Name:** Peptidase Inhibitor Protease Inhibitor Wap3 (PI3)

**Aliases:** ESI; PI-WAP3; SKALP; WFDC14; elafin; cementoin; trappin-pre-elafin; peptidase inhibitor protease inhibitor WAP3; elastase-specific inhibitor; skin-derived antileukoproteinase; WAP four-disulfide core ...

**UniProt ID:** P19957

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P19957/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (61-117aa)

**Molecular Weight:** 22.0kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (61-117aa)

AQEPVKGPVSTKPGSCPIILIRCAMLNPPNRCLKDTDCPGIKKCCGSCGMACFVP  
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## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.



## 5. Product Description

This product is a recombinant Human PI3 full length of mature protein protein (61-117aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PI3, also known as ESI or PI-WAP3 or SKALP, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.