

## **Product datasheet for TP303136M**

### OriGene Technologies, Inc.

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#### PI3 (NM 002638) Human Recombinant Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human peptidase inhibitor 3, skin-derived (PI3), 100 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC203136 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MRASSFLIVVVFLIAGTLVLEAAVTGVPVKGQDTVKGRVPFNGQDPVKGQVSVKGQDKVKAQEPVKGPVS

TKPGSCPIILIRCAMLNPPNRCLKDTDCPGIKKCCEGSCGMACFVPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Predicted MW:** 9.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 002629

 Locus ID:
 5266

 UniProt ID:
 P19957

 RefSeq Size:
 579

Cytogenetics: 20q13.12





RefSeq ORF: 351

Synonyms: cementoin; ESI; SKALP; WAP3; WFDC14

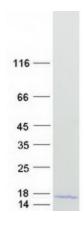
**Summary:** This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide

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. [provided by RefSeq,

Oct 2014]

**Protein Families:** Secreted Protein, Transmembrane

# **Product images:**



Coomassie blue staining of purified PI3 protein (Cat# [TP303136]). The protein was produced from HEK293T cells transfected with PI3 cDNA clone (Cat# [RC203136]) using MegaTran 2.0 (Cat# [TT210002]).