

Product datasheet for **TP303136L**

PI3 (NM_002638) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidase inhibitor 3, skin-derived (PI3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203136 protein sequence Red =Cloning site Green =Tags(s)
	MRASSFLIVVFLIAGTLVLEAAVTGVPVKGQDTVKGRVPFNGQDPVKGQVSVKQDKVKAQEPVKG PVS TKPGSCPIILIRCAMLNPPNRCLKDTCPGIKKCEGSCGMACFVPQ
	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



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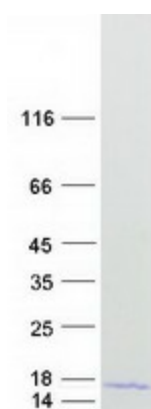
RefSeq ORF: 351

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 upregulated 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]).