

Product datasheet for **TP720751L**

PI3 (NM_002638) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human peptidase inhibitor 3, skin-derived (PI3)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Ala23-Gln117
Tag:	C-His
Predicted MW:	11 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002629
Locus ID:	5266
UniProt ID:	P19957
RefSeq Size:	579
Cytogenetics:	20q13.12
RefSeq ORF:	351
Synonyms:	cementoin; ESI; SKALP; WAP3; WFDC14



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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