

Product datasheet for **AR51935PU-S**

Elafin / PI3 (23-117, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Elafin / PI3 (23-117, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression cDNA Clone or AA Sequence:	AVTGVPVKGQ DTVKGRVPFN GQDPVKGQVS VKGQDKVKAQ EPVKGPVSTK PGSCPIILIR CAMLNPPNRC LKDTDCPGIK KCCEGSCGMA CFVPQHSHHHH H
Tag:	His-tag
Predicted MW:	10.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE.
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline (pH 7.4), 10% glycerol
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PI3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002629
Locus ID:	5266
UniProt ID:	P19957
Cytogenetics:	20q13.12
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

Product images: