

## Product datasheet for **AR51068PU-S**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Elafin / PI3 (23-117, His-tag) human protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSVTVGPV KGQDTVKGRV PFNGQDPVKG QVSVKGDQKV KAQEPVKGPV STKPGSCPII LIRCAMLNPP NRCLKDTCF GIKKCEGSC GMACFVPQ
Tag:	His-tag
Predicted MW:	12 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
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:	<a href="#">NP_002629</a>
Locus ID:	5266
UniProt ID:	<a href="#">P19957</a>
Cytogenetics:	20q13.12
Synonyms:	cementoin; ESI; SKALP; WAP3; WFDC14



[View online »](#)

**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:**