

Product datasheet for **AR51068PU-N**

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

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Elafin / PI3 (23-117, His-tag) human protein, 0.25 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSVTVGVPV KGQDTVKGRV PFNGQDPVKG QVSVKGGQDKV 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: | 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: