

## Product datasheet for **AR31010PU-N**

### Azurocidin Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Human Azurocidin purified from Human Neutrophils.
Species:	Human
Expression Host:	Neutrophils
Concentration:	lot specific
Purity:	> 95 % by SDS-PAGE
Buffer:	20mM HEPES-NaOH, pH 8.0 containing 0.4M Sodium Chloride, 0.1mM PMSF, 0.02% Lubrol. <b>Preservative:</b> Proprietary formula containing 0.1% preservative, bromo-nitro-dioxane/methylisothiazolone
Preparation:	Liquid purified protein
Storage:	Store the antigen at -20°C. Avoid multiple freeze/thaw cycles. Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001691</a>
Locus ID:	566
UniProt ID:	<a href="#">P20160</a>
Cytogenetics:	19p13.3
Synonyms:	AZAMP; AZU; CAP37; HBP; hHBP; HUMAZUR; NAZC
Summary:	Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. This gene encodes a preproprotein that is proteolytically processed to generate a mature azurophil granule antibiotic protein, with monocyte chemotactic and antimicrobial activity. It is also an important multifunctional inflammatory mediator. This encoded protein is a member of the serine protease gene family but it is not a serine proteinase, because the active site serine and histidine residues are replaced. The genes encoding this protein, neutrophil elastase 2, and proteinase 3 are in a cluster located at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. [provided by RefSeq, Nov 2015]
Protein Families:	Druggable Genome, Protease



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