



Human AZU1 peptide (DAG-P0178)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. The protein encoded by this gene is an azurophil granule antibiotic protein, with monocyte chemotactic and antibacterial 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, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	AZU1 azurocidin 1 [Homo sapiens (human)]
Official Symbol	AZU1
Synonyms	AZU1; azurocidin 1; AZU; HBP; NAZC; AZAMP; CAP37; HUMAZUR; azurocidin; neutrophil azurocidin; heparin-binding protein; cationic antimicrobial protein 37; cationic antimicrobial

protein CAP37;

Entrez Gene ID	566
mRNA Refseq	NM_001700.3
Protein Refseq	NP_001691.1
UniProt ID	P20160
Chromosome Location	19p13.3
Function	heparin binding; NOT serine-type endopeptidase activity; toxic substance binding;