

Native Human AZU1

Cat. No. AZU1-26565TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Azurocidin purified from Human neutrophils; amino acid 27-248, 222 amino acids, MWt 37kDa.
Species	Human
Source	Human Neutrophil
ProteinLength	222 amino acids
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.
Form	Lyophilised
Molecular Mass	37kDa
Purity	>95% by SDS-PAGE

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage Buffer	De-ionized H2O
GENE INFORMATION	
Gene Name	AZU1 azurocidin 1 [Homo sapiens]
Official Symbol	AZU1
Synonyms	AZU1; azurocidin 1; azurocidin; AZAMP; AZU; CAP37; cationic antimicrobial protein 37; HBP; heparin binding protein; HUMAZUR; NAZC; neutrophil azurocidin; heparin-binding protein; cationic antimicrobial protein CAP37;
Gene ID	566
mRNA Refseq	NM_001700
Protein Refseq	NP_001691
MIM	162815
UniProt ID	P20160
Chromosome Location	19p13.3
Function	catalytic activity; heparin binding; serine-type endopeptidase activity; toxin binding;