

Recombinant Human AZU1 Protein

Cat. No. AZU1-0045H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AZU1 Protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Applications	ELISA, CLIA, CG
Notes	For research use only, not for use in diagnostic procedure.
Storage	Short term (up to 7 days) store at 2–8 centigrade. Long term, store at - 20 centigrade. Avoid multiple freeze/thaw cycles.
Storage Buffer	Supplied as a 0.2 µm filtered solution of PBS, pH7.4

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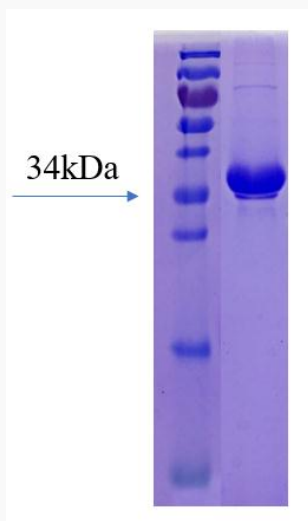
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GENE INFORMATION

Gene Name	AZU1 azurocidin 1 [Homo sapiens (human)]
Official Symbol	AZU1
Synonyms	AZU1; azurocidin 1; AZU; HBP; NAZC; hHBP; AZAMP; CAP37; HUMAZUR; azurocidin; cationic antimicrobial protein 37; cationic antimicrobial protein CAP37; heparin-binding protein; neutrophil azurocidin
Gene ID	566
mRNA Refseq	NM_001700
Protein Refseq	NP_001691
MIM	162815
UniProt ID	P20160

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