

Recombinant Human AZU1 Protein, His-tagged

Cat. No. AZU1-094H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AZU1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	251
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.
Form	Lyophilized
Molecular Mass	25 kDa
AA Sequence	MTRLTVLALLAGLLASSRAGSSPLLDIVGGRKARPRQFPFLASIQNQGRHFCGGALIH ARFVMTAASCFQSQNPQGVSTVVLGAYDLRRRERQSRQTFSISSMSENGYDPQQNL

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NDLMLQLDREANLTSSVTILPLPLQNATVEAGTRCQVAGWGSQRSGGRLSRFPRF
VNVTVTPEDQCRPNNVCTGVLTRRGICNGDGGTPLVCEGLAHGVASFSLGPCGR
GPDDFFTRVALFRDWIDGVLNNPGPGPA

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

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binding protein; cationic antimicrobial protein CAP37;

Gene ID	566
mRNA Refseq	NM_001700
Protein Refseq	NP_001691
MIM	162815
UniProt ID	P20160

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