

Recombinant Full Length Human AZU1 Protein, GST-tagged

Cat. No. AZU1-1547HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AZU1 full-length ORF (NP_001691.1, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	251 amino acids
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. [provided by RefSeq, Nov 2015]
Molecular Mass	53.3 kDa
AA Sequence	MTRLTVLALL AGLASSRAG SSPLLDIVGG RKARPRQFPF LASIQNQGRH FCGGALIHAR FVMTAASCFQ SQNPGVSTVV LGAYDLRRRE RQSRQTFSIS

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SMSSENGYDPQ QNLNDLMLLQ LDREANLTSS VTILPLPLQN ATVEAGTRCQ
VAGWGSQRSG GRLSRFPRFV NVTVPEDQC RPNNVCTGVL TRRGICNGD
GGTPLVCEGL AHGVASFSLG PCGRGPDDFT RVALFRDWID GVLNNPGPGP A

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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