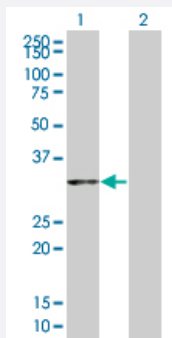


# AZU1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000566-T01

Size 100 uL

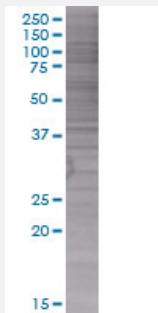
## Applications



### Western Blot

Lane 1: AZU1 transfected lysate ( 26.9 KDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

AZU1 transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-AZU1 full-length

**Host** Human

**Theoretical MW (kDa)** 27.72

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-AZU1 antibody ([H00000566-B01](#)) by Western Blots.  
Western Blot  
Lane 1: AZU1 transfected lysate ( 26.9 KDa)  
Lane 2: Non-transfected lysate.  
SDS-PAGE Gel  
AZU1 transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

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

## Applications

- Western Blot

## Gene Info — AZU1

**Entrez GeneID**[566](#)**GeneBank Accession#**[NM\\_001700](#)**Protein Accession#**[NP\\_001691](#)**Gene Name**

AZU1

**Gene Alias**

AZAMP, AZU, CAP37, HBP, HUMAZUR, NAZC

**Gene Description**

azurocidin 1

**Omim ID**[162815](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

**Other Designations**

cationic antimicrobial protein 37|heparin-binding protein|neutrophil azurocidin

## Disease

- [HIV Infections](#)