

PRODUCT INFORMATION

AZU1 **Target**

AZAMP; AZU; CAP37; HBP; hHBP; HUMAZUR; NAZC **Synonyms**

Recombinant Human AZU1 Protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P20160 **HEK293 Expression Host**

Tag C-6×His Tag

Molecular Characterization

Storage & Shipping

Background

Purity

AZU1(Ile27-Pro248) 6×His tag

The protein has a predicted molecular mass of **Molecular Weight**

24.9 kDa after removal of the signal peptide. The apparent molecular mass of AZU1-His is

approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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]

Usage Research use only

Conjugate Unconjugated

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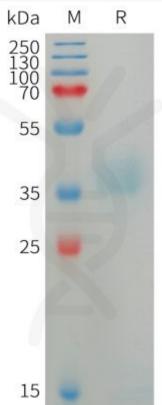


Figure 1. Human AZU1 Protein, His Tag on SDS-PAGE under reducing condition.

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