

## 32-18166: Recombinant Human AZU1 Protein, His Tag

**Uniprot ID :** P20160

**Alternative Name :** AZAMP; AZU; CAP37; HBP; hHBP; HUMAZUR; NAZC

### Description

Molecular Characterization: AZU1(Ile27-Pro248) 6Å—His tag

Molecular weight: The protein has a predicted molecular mass of 24.9 kDa after removal of the signal peptide. The apparent molecular mass of AZU1-His is approximately 35-55 kDa due to glycosylation.

Description: Recombinant Human AZU1 Protein with C-terminal 6Å—His tag

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.

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** 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.