

RP00307

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Recombinant Human Azurocidin/CAP37/HBP Protein

Catalog No.: RP00307 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	566	P20160

Tags
C-6×His

Synonyms
AZU1;AZAMP;AZU;CAP37;HBP;HUMAZUR;
NAZC;hHBP

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.5. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

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.

Basic Information

Description
Recombinant Human Azurocidin/CAP37/HBP Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Ile27-Pro250) of human Azurocidin/CAP37/HBP (Accession #P20160) fused with a 6×His tag at the C-terminus.

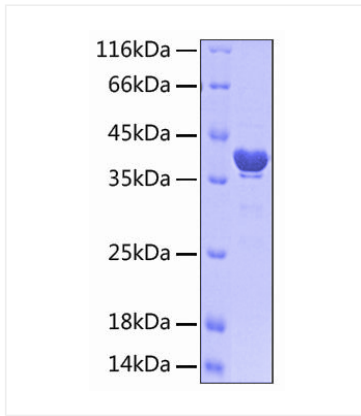
Bio-Activity
Measured by its ability to enhance LPS-induced TNF-alpha secretion from human monocytes. The ED₅₀ for this effect is 0.5-3 μg/mL.

Storage
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant protein Human Azurocidin/CAP37/HBP was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 39 kDa.