

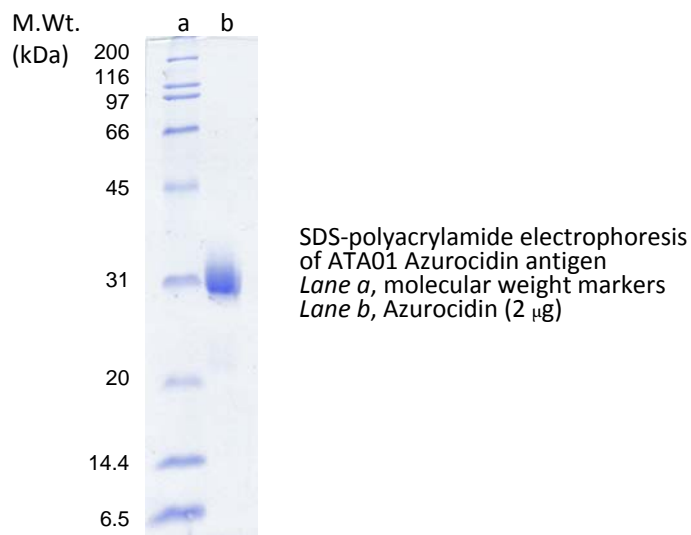
**Product datasheet:**

## Azurocidin

Overview

<b>Product name:</b>	Azurocidin
<b>Alternative names:</b>	Cationic antimicrobial protein CAP37, Heparin-binding protein HBP
<b>Uniprot:</b>	Accession number P20160
<b>Description:</b>	37 kDa glycosylated protein running at 30 kDa on SDS-polyacrylamide gel electrophoresis
<b>Source material:</b>	Human neutrophils
<b>Purity:</b>	>90% by SDS-polyacrylamide electrophoresis
<b>Purification:</b>	purified using conventional chromatography procedures
<b>Clinical applications:</b>	Plasma azurocidin levels have been found to be elevated in patients with severe sepsis and septic shock. Azurocidin levels may also be of significance in respiratory failure after trauma, in acute bacterial meningitis and as a predictor of outcome in cardiac arrest.

Images



References

Pereira H.A. et al (1990) CAP37, a human neutrophil-derived chemotactic factor with monocyte specific activity. *J. Clin. Invest.* **85**:1468-76

Wilde C.G. et al. (1990) Characterization of two azurophil granule proteases with active-site homology to neutrophil elastase. *J. Biol. Chem.* **265**:2038-41

Pohl J. et al. (1990) Amino acid sequence of CAP37, a human neutrophil granule-derived antibacterial and monocyte-specific chemotactic glycoprotein structurally similar to neutrophil elastase. *FEBS Lett.* **272**:200-4

Iverson L.F. et al. (1997) Structure of HBP, a multifunctional protein with a serine proteinase fold. *Nat. Struct. Biol.* **4**:265-8

Linder A. et al. (2009) Heparin-binding protein: an early marker of circulatory failure in sepsis. *Clin. Infect. Dis.* **49**:1044-50

Johansson J. et al. (2013) Heparin-binding protein (HBP): an early marker of respiratory failure after trauma? *Acta Anaesthesiol. Scand.* **57**:580-6

Linder A. et al. (2011) Heparin-binding protein: a diagnostic marker for acute bacterial meningitis. *Crit. Care Med.* **39**:812-7

Dankiewicz J. et al. (2013) Heparin-binding protein: an early indicator of critical illness and predictor of outcome in cardiac arrest. *Resuscitation* **84**:935-9

Ordering information

ATA01-02	Azurocidin (from human neutrophils)	0.20 mg
ATA01-10	Azurocidin (from human neutrophils)	1.0 mg