

Datasheet for ABIN7274790
Azurocidin Protein (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	Azurocidin (AZU1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Azurocidin protein is labelled with His tag.

Product Details

Sequence:	Ile27-Pro250
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Azurocidin (AZU1)
Alternative Name:	Azurocidin (AZU1 Products)
Background:	CAP37, AZU, AZU1, Azurocidin, HBP, AZAMP, HUMAZUR, NAZC, azurocidin 1, Heparin-binding protein (HBP), also known as cationic antimicrobial protein 37 (CAP37) and Azurocidin, is a member of the serine protease family that includes Cathepsin G, neutrophil elastase (NE), and proteinase 3 (PR3). This is a neutrophil granule-derived antibacterial and monocyte- and fibroblast-specific chemotactic glycoprotein. Binds heparin. The cytotoxic action is limited to

Target Details

many species of Gram-negative bacteria, this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope.

Molecular Weight: 25.3 kDa. Due to glycosylation, the protein migrates to 38-50 kDa based on Tris-Bis PAGE result.

UniProt: [P20160](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

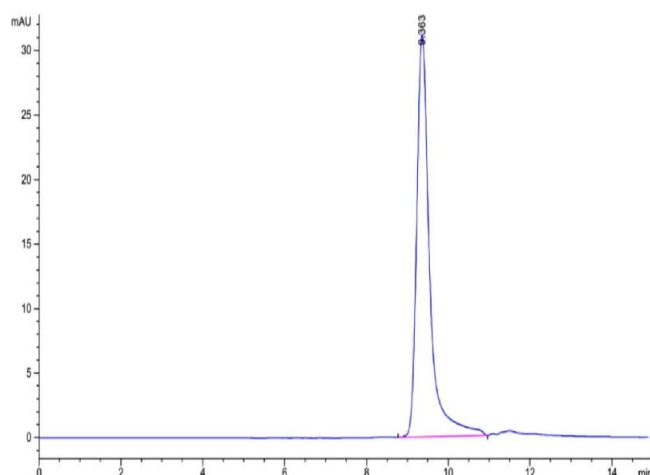
Buffer: Supplied as 0.22µm filtered solution in 20 mM PB, 500 mM NaCl (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

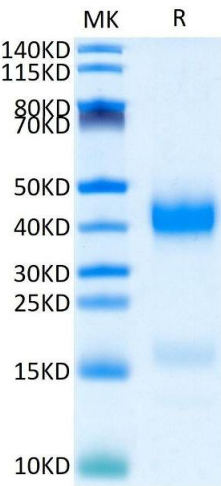
Expiry Date: 12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human Azurocidin is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human Azurocidin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .