# Human Azurocidin/CAP37, Tag Free Protein

## HA211641

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| **Product name:** | Human Azurocidin/CAP37, Tag Free |
| **Species reactivity:** | Human |
| **Protein construction description:** | A DNA sequence encoding the human Azurocidin/CAP37 protein (P20160) (Ile 27-Pro 250) was expressed with tag free. |
| **Background:** | Azurocidin also known as cationic antimicrobial protein CAP37 or heparin-binding protein (HBP) is a protein that in humans is encoded by the AZU1 gene. Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. The protein encoded by this gene is an azurophil granule antimicrobial protein, with monocyte chemotactic and antibacterial activity. It is also an important multifunctional inflammatory mediator. 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. |
| **Purity:** | >95% as determined by SDS-PAGE. |
| **Endotoxin:** | Less than 1.0 EU per μg by the LAL method. |
| **Fragment region:** | Azurocidin/CAP37 (27-250) |
| **Source:** | HEK293 |
| **Accession:** | P20160 |
| **Predicted molecular mass:** | 25 kD |
| **Formulation:** | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol. |
| **Reconstitution:** | Reconstitute at 250 μg/ml in sterile water. |
| **Storage:** | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃ It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## Images

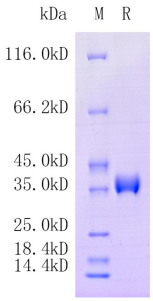



**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".