Datasheet for ABIN7491379

Azurocidin Protein (AA 27-248) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Azurocidin (AZU1)
Protein Characteristics:	AA 27-248
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Azurocidin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human AZU1 Protein with C-terminal 6xHis tag
Specificity:	AZU1 (Ile27-Pro248) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Azurocidin (AZU1)
Alternative Name:	AZU1 (AZU1 Products)
Background:	Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins

Target Details

	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. [provided by RefSeq, Nov 2015]
Molecular Weight:	predicted molecular mass of 24.9 kDa after removal of the signal peptide. The apparent molecular mass of AZU1-His is 35-55 kDa due to glycosylation.
UniProt:	P20160

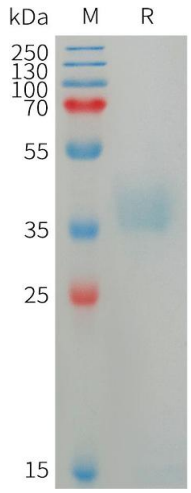
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Human Protein, His Tag on SDS-PAGE under reducing condition.