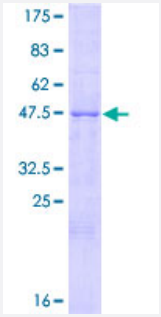
Full-Length

AZU1 (Human) Recombinant Protein (P01)

Catalog # H00000566-P01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human AZU1 full-length ORF (NP_001691.1, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTRLTVLALLAGLLASSRAGSSPLLDIVGGRKARPRQFPFLASIQNQGRHFCGGALIHARFVMTAA SCFQSQNPGVSTVVLGAYDLRRRERQSRQTFSISSMSENGYDPQQNLNDLMLLQLDREANLTSS VTILPLPLQNATVEAGTRCQVAGWGSQRSGGRLSRFPRFVNVTVTPEDQCRPNNVCTGVLTRRG GICNGDGGTPLVCEGLAHGVASFSLGPCGRGPDFFTRVALFRDWIDGVLNNPGPGPA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.3
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AZU1

Entrez GeneID	566
GeneBank Accession#	NM_001700.3
Protein Accession#	NP_001691.1
Gene Name	AZU1
Gene Alias	AZAMP, AZU, CAP37, HBP, HUMAZUR, NAZC
Gene Description	azurocidin 1
Omim ID	162815
Gene Ontology	Hyperlink
Gene Summary	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 antibiotic protein, with monocyte chemotactic and antibacterial 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
Other Designations	cationic antimicrobial protein 37|heparin-binding protein|neutrophil azurocidin

Disease

- HIV Infections