

**Synonym**

ANXA5,ANX5,ENX2,PP4,Annexin V,Annexin A5

**Source**

Human Annexin A5, His Tag(AN5-H5123) is expressed from *E. coli* cells. It contains AA Met 1 - Asp 320 (Accession # [P08758-1](#)).

Predicted N-terminus: Met 1

**Molecular Characterization**

**ANXA5(Met 1 - Asp 320)**  
**P08758-1**

**Poly-his**

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 36.8 kDa. The protein migrates as 35 kDa under reducing (R) condition (SDS-PAGE).

**Endotoxin**

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

**Purity**

>98% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

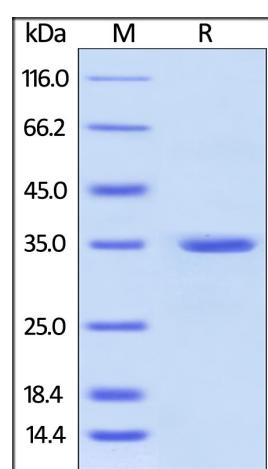
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

Human Annexin A5, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 98%.

**Background**

Annexin A5 is a phospholipid binding protein, which binds with high affinity and selectivity to PS in the presence of calcium. PS is predominantly located in membrane leaflets, which face the cytosol. However, recent findings show that each cell type has the molecular machinery to expose PS at its cell surface. This machinery is activated during the execution of apoptosis. Once PS is exposed at the cell surface it exhibits procoagulant and proinflammatory activities. Annexin A5 will bind to the PS-exposing apoptotic cell and can inhibit the procoagulant and proinflammatory activities of the dying cell. Annexin A5 has also been identified as

**Discounts, Gifts,  
and more!**



» [www.acrobiosystems.com](http://www.acrobiosystems.com)

## Human Annexin A5 Protein, His Tag

Catalog # AN5-H5123



BIOSYSTEMS  
**Acro**  
Surprise Inside!

an anticoagulant protein in the blood coagulation cascade, by acting as an inhibitor of prothrombin activation. The presence of antibodies to Annexin A5 is associated with systemic lupus erythematosus (SLE), recurrent spontaneous abortions and systemic sclerosis (SSc).

Discounts, Gifts,  
and more!



» [www.acrobiosystems.com](http://www.acrobiosystems.com)