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## Annexin V Recombinant Protein

CATALOG NUMBER: 90-218

### Specifications

<b>SPECIES:</b>	Human
<b>SOURCE SPECIES:</b>	E. coli
<b>SEQUENCE:</b>	Recombinant human annexin V fused to a GST-tag.
<b>FUSION TAG:</b>	GST tag
<b>TESTED APPLICATIONS:</b>	
<b>APPLICATIONS:</b>	This recombinant proteins is for research use only.
<b>BIOLOGICAL ACTIVITY:</b>	N/A

### Properties

<b>PURITY:</b>	>95% (SDS-PAGE)
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	In PBS, pH 7.4. Reconstitute with 100 ul sterile water.
<b>CONCENTRATION:</b>	1mg/ml after reconstitution.
<b>STORAGE CONDITIONS:</b>	Stable for at least 1 year after receipt when stored at -20°C. Reconstituted solutions can be kept at 4°C under sterile conditions for one week or should be frozen in aliquots at -20°C.

### Additional Info

<b>ALTERNATE NAMES:</b>	Annexin A5, Endonexin II, Lipocortin V, Placental Anticoagulant Protein I, Calphobindin I, Vascular Anticoagulant-alpha
<b>ACCESSION NO.:</b>	P08758
<b>PROTEIN GI NO.:</b>	113960

### Background

Annexin V is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. Annexin V competes for phosphatidylserine binding sites (e. g. platelets) with prothrombin or coagulation factors and inhibits the activity of phospholipase A1. Antibodies directed against annexin V are found in patients with a disease called the antiphospholipid syndrome (APS), a thrombophilic disease associated with autoantibodies against phospholipid compounds. Annexin V is used as a probe in the "annexin V affinity assay" to detect cells that have expressed phosphatidylserine on the cell surface, a feature found in apoptosis and other forms of cell death.

**FOR RESEARCH USE ONLY**

February 23, 2018