





## Human Annexin V/ANXA5 protein

Cat #: PRP3003

Size: 100 µg/ 1 mg/ 10 mg

### Product Information

	<b>Product Name:</b> Recombinant Human Annexin V/ANXA5 protein		
	<b>Reconstitution:</b> Use the buffer we provided to reconstitute the lyophilized Human Annexin V protein		
	<b>Catalog Number:</b> PRP3003		<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> ≥ 98% as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Expressed Host:</b> E. coli
	<b>Shipping:</b> Gel pack with blue ice		

**Background:** Annexin V (ANXA5 or Annexin A5) is a member of the annexin family of intracellular proteins that binds to phosphatidylserine (PS) in a calcium-dependent manner. Annexin V is a multifunctional protein that is highly expressed on the apical surfaces of syncytiotrophoblasts, this protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex and plays an important role in haemostatic regulations, maintaining blood fluidity of the placenta. Annexin V is also a protein kinase C and phospholipase A2 inhibitor. It participate in inflammation, cellular signal transduction, growth and differentiation. Annexin V is important for normal CFTR chloride channel activity.

**Sequence:** Amino acid sequence derived from Human Annexin V isoform (P08758) (Met1-Asp320) was expressed.

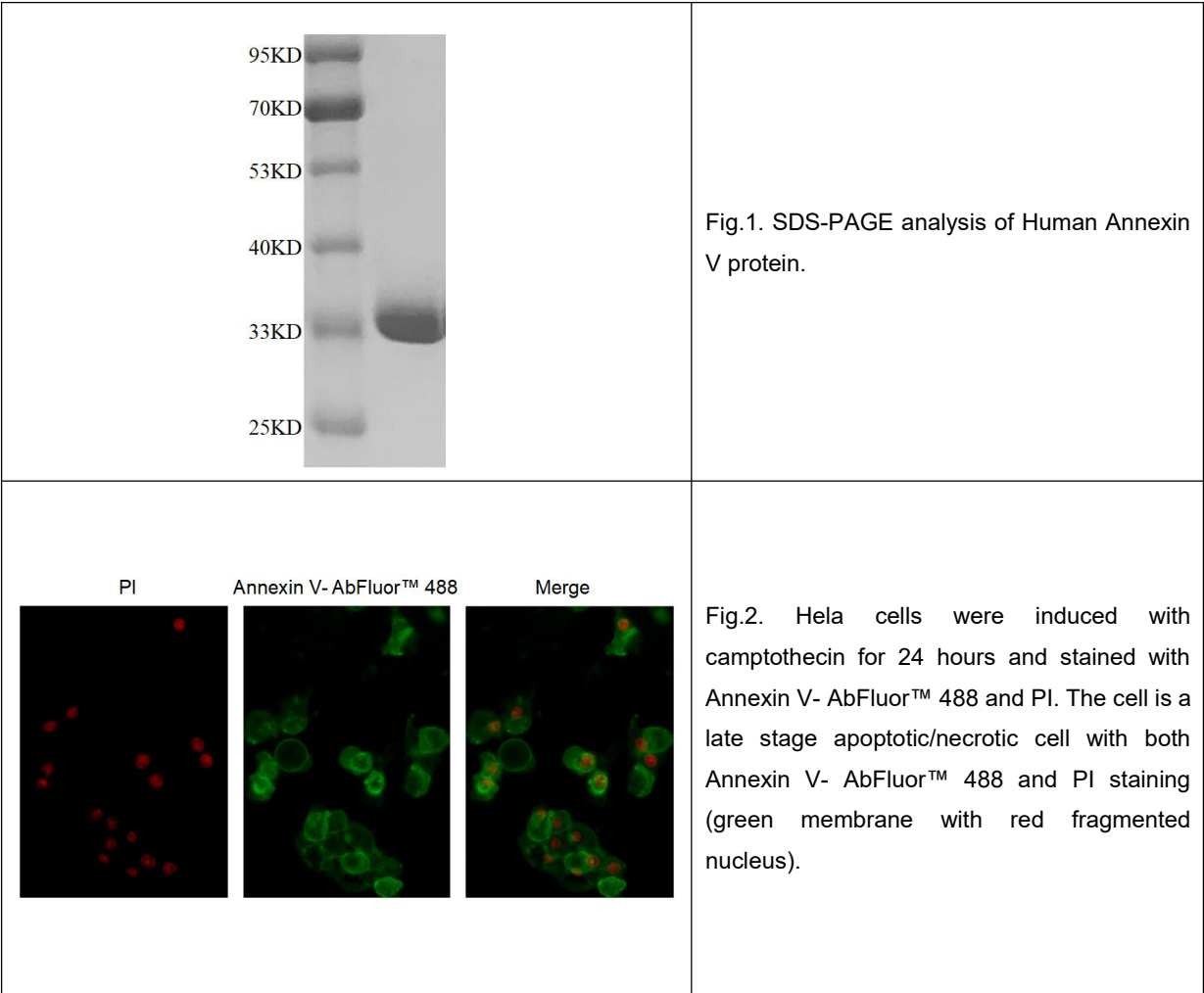
**Protein length:** The recombinant Human Annexin V protein consists of 320 amino acids (N-Met) and has a predicted molecular mass of 36 kDa. The apparent molecular mass of the Human Annexin V protein is approximately 36 kDa in SDS-PAGE under reducing conditions.

**Biological Activity:** Binds to phosphatidylserine (PS). Exhibits anti-phospholipase activity.

**Formulation:** Lyophilized from sterile PBS, pH 7.4.

**Storage Instructions:** Lyophilized Human Annexin V protein product should be stored desiccated below -18°C for 12 months. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and below -18°C for 3 months. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to centrifuge at 12,000 rpm for 1 minute. It is recommended to reconstitute the lyophilized Human Annexin V protein using the buffer we provided not less than 1 mg/mL, which can then be further diluted to other aqueous solutions. For conjugation, it is recommended to reconstitute protein using conjugation buffer that do not contain amino components (such as MES, PBS, HEPES). And the concentration of protein should be higher than 2 mg/mL.



**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.