# **CHAMOT**

# Recombinant Annexin V, Human, Animal-Free

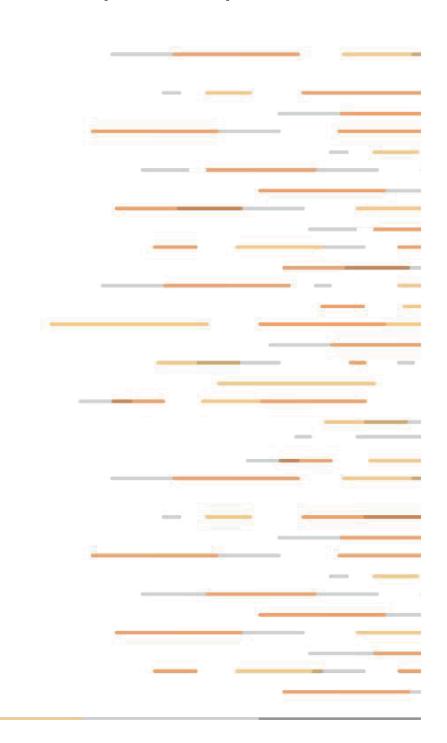
CM143-5HP

CM143-20HP

CM143-100HP

CM143-500HP

CM143-1000HP





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- 1 Product Specifications
- 2 Product Note
- 3 Storage/Shipping
- 4 Scientific Data



## **Product Datasheet**

# Recombinant Annexin V, Human, Animal-Free

Catalog#	CM143-5HP	CM143-20HP	CM143-100HP	CM143-500HP	CM143- 1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

### **Product Specifications**

Background	Annexin V predicts a molecular mass of 36.8 kDa. is commonly used to detect apoptotic cells by its ability to bind to phosphatidylserine, a marker of apoptosis when it is on the outer leaflet of the plasma membrane. Annexin V forms a shield around negatively charged phospholipid molecules. The formation of an annexin V shield blocks the entry of phospholipids into coagulation reactions.		
Synonyms	ANXA5, ANX5, ENX2, HEL-S-7, PP4, RPRGL3		
Uniprot ID	P08758		
Molecular Weight	The protein has a calculated MW of 36.75 kDa. The protein migrates as 37 kDa under reducing condition (SDS-PAGE analysis).		
Expression System	Escherichia coli		
Purity	>98% as determined by SDS-PAGE.		
Activity	Testing in process		
Endotoxin Level	$<$ 0.1 EU per 1 $\mu$ g of the protein by the LAL method.		
Protein Sequence	MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILTLLTSRSNAQRQEISAAFKTLFG RDLLDDLKSELTGKFEKLIVALMKPSRLYDAYELKHALKGAGTNEKVLTEIIASRTPEELRAIKQ VYEEEYGSSLEDDVVGDTSGYYQRMLVVLLQANRDPDAGIDEAQVEQDAQALFQAGELK WGTDEEKFITIFGTRSVSHLRKVFDKYMTISGFQIEETIDRETSGNLEQLLLAVVKSIRSIPAYLA ETLYYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFRKNFATSLYSMIKGDTSGDYKKALLLLC GEDD with polyhistidine tag at the C-terminus.		
Form	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.		
Application	Cell Culture		

### **Product Note**

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile  $H_2O$  to a concentration not less than 100  $\mu$ g/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

### Storage/Shipping

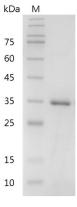
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

### **Scientific Data**



SDS- PAGE analysis of recombinant human Annexin V

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: ir

Mail: info@chamot-bio.com

QQ: 864920491