

## ANXA5 Annexin A5 Human Recombinant Protein

Catalog Number: PROTP08758

### Introduction

ANXA5 is a member of the annexin family of calcium-dependent phospholipid binding proteins which are involved in membrane-related activity along exocytotic and endocytotic pathways. ANXA5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel properties and takes part in cellular signal transduction, inflammation, growth and differentiation. ANXA5 is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. ANXA5 regulates coagulability in the blood stream by binding to phosphatidylserine and sulfatide. ANXA5 protects sinusoidal endothelial cells from ischemia reperfusion damage. ANXA5 is necessary for normal CFTR chloride channel activity.

### Overview

Product Name	ANXA5 Annexin A5 Human Recombinant Protein
Description	ANXA5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 320 amino acids (1-320 a.a.) and having a molecular mass of 35.9 kDa. ANXA5 is purified by proprietary chromatographic techniques.
Source	E. Coli
Physical Appearance	Sterile filtered colorless solution.
Formulation	The ANXA5 protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT and 10% glycerol.

### Storage

Store in -20°C for long term storage. After reconstitution, store in 4°C for short term usage within a few days. Avoid freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MAQVLRGTVT DFPGFDERAD AETLRKAMKG LGTDEESILT LLTSRSNAQR QEISAAFCTL FGRDLLDDLK SELTGKFEKL IVALMKPSRL

YDAYELKHAL KGAGTNEKVL TEIIASRTPE ELRAIKQVYE EYGSSELEDD VVGDTSGYYQ RMLVLLQAN RDPDAGIDEA QVEQDAQALF  
QAGELKWGTD EEKFITIFGT RSVSHLRKVF DKYMTISGFQ IEETIDRETS GNLEQLLLAV VKSIRSIPAY LAETLYAMK GAGTDDHTLI  
RVMVSRSEID LFNIRKEFRK NFATSLYSMI KGDTSGDYKK ALLLLCGEDD.

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