
Product Data Sheet

Product Name: ANXA5 Mouse
 Cat. No.: GP22735
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Annexin A5; ENX2; Placental Anticoagulant Protein 4; PlacentalAnticoagulant Protein I; Vascular Anticoagulant-Alpha; Thromboplastin Inhibitor; CalphobindinI; Anchorin CII; Endonexin II; Lipocortin V;Annexin V; Annexin-5; VAC-Alpha; RPRGL3; CBP-I; PAP-I; ANX5; PP4; EpididymisSecretory Protein Li 7; HEL-S-7.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSP MGSMATRGTV TDFPGFDGRA DAEVLRKAMK GLGTDEDSIL NLLTSRSNAQ RQEIAQEFKT LFGRDLVDDL KSELTGKFEK LIVAMMKPSR LYDAYELKHA LKGAGTDEKV LTEIIASRTP EELSAIKQVY EEEYGSNLED DVVGDTSGYY QRMLVVLLQA NRDPDTAIDD AQVELDAQAL FQAGELKWGT DEEKFITIFG TRSVSHLRRV FDKYMTISGF QIEETIDRET SGNLEQLLLA VVKSIRSIPA YLAETLYYAM KGAGTDDHTL IRVVVSRSEI DLFNIRKEFR KNFATSLYSM IKGDTSGDYK KALLLLCGGE DD.		
Formulation	ANXA5 protein solution (1mg/ml) containing Phosphate Buffered Saline, 10% glycerol and 1mM DTT.		

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

Caution: Product has not been fully validated for medical applications. For research use only.

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channel activity.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ANXA5 Mouse Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain containing 342 amino acids (1-319 a.a) and having a molecular mass of 38.1kDa. ANXA5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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