

## 32-13035: ANXA5 Mouse

**Alternative Name :** Annexin A5, ENX2, Placental Anticoagulant Protein 4, Placental Anticoagulant Protein I, Vascular Anticoagulant-Alpha, Thromboplastin Inhibitor, Calphobindin I, Anchorin CII, Endonexin II, Lipocortin V, Annexin V, Annexin-5, VAC-Alpha, RPRGL3, CBP-I, PAP-I, ANX5, PP4, Epididymis Secretory Protein Li 7, HEL-S-7.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

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.

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.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** ANXA5 protein solution (1mg/ml) containing Phosphate Buffered Saline, 10% glycerol and 1mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHH SSGLVPRGSP MGSMATRGTV TDFPGFDGRA DAEVLRKAMK GLGTDEDSIL  
NLLTSRSNAQ RQEIAQEFKT LFGRDLVDDL KSELTGKFEK LIVAMMKPSR LYDAYELKHA LKGAGTDEKV  
LTEIIASRTP EELSAIKQVY EEEYGSNLED DVVGDTSGYY QRMLVLLQA NRDPDTAIDD AQVELDAQAL  
FQAGELKWGT DEEFITIFG TRSVSHLRRV FDKYMTISGF QIETIDRET SGNLEQLLLA VVKSIRSIPA  
YLAETLYAM KGAGTDDHTL IRVVSRSEI DLFNIRKEFR KNFATSLYSM IKGDTSGDYK KALLLLCGGE  
DD.