



**Catalog Number:** PR27213

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** MAMATKGGTV KAASGFNAME DAQTLRKAMK GLGTDEDAII SVLAYRNTAQ RQEIRTAYKS TIGRDLIDDL KSELNGNFEQ VIVGMMTPTV LYDVQELRRA MKGAGTDEGC LIEILASRTP EEIRRISQTY QQYGRSLED DIRSDTSFMF QRVLVLSAG GRDEGNYLDD ALVRQDAQDL YEAGEKKWGT DEVKFLTVLC SRNRNHLHVV FDEYKRISQK DIEQSIKSET SGSFEDALLA IVKCMRNKSA YFAEKLYKSM KGLGTDDNTL IRVMVSRAEI DMLDIRAHFK RLYGKSLYSF IKGDTSGDYR KVVLLVLCGGD D.

**Description/Molecular Mass:** ANXA4 is part of the annexin family of calcium-dependent phospholipid binding proteins. ANXA4 has 45%-59% identity with other proteins of its family and shares a related size and exon-intron organization. ANXA4 interacts with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANXA4 is exclusively expressed in epithelial cells. ANXA4 is a Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.

ANXA4 produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 321 amino acids (1-321 a.a.) and having a molecular mass of 36 kDa. ANXA4 is purified by proprietary chromatographic techniques.

**Purity:** Greater than 90.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** The ANXA4 protein solution contains 20mM Tris-HCl, pH-8 and 20% glycerol, 0.2M NaCl.

**Storage:** 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.

### FOR RESEARCH USE ONLY

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