



Catalog Number: PR27212

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MASIWVGHRG TVRDYPDFSP SVDAEAIQKA IRGIGTDEKM LISILTERSN AQRQLIVKEY QAAYGKELKD DLKGDLSGHF EHLMVALVTP PAVFDAKQLK KSMKGAGTNE DALIEILTTR TSRQMKDISQ AYYTVYKKS L GDDISSETSG DFRKALLTLA DGRRDESLKV DEHLAKQDAQ ILYKAGENRW GTDEDKFTET LCLRSFPQLK LTFDEYRNI S QKDIVDSIKG ELSGHFEDLL LAIVNCRVNT PAFLAERLHR ALKGIGTDEF TLNRMVSR S EIDLLDIRTE FKKHYGYSLY SAIKSDTSG YEITLLKICG GDD.

Description/Molecular Mass: ANXA3 is an inhibitor of phospholipase A2. ANXA3 possesses anti-coagulant properties. ANXA3 cleaves the cyclic bond of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. ANXA3 is part of the annexin family which are members of the calcium-dependent phospholipid-binding protein family that are involved in the regulation of cellular growth and in signal transduction pathways. ANXA3 takes part as an anti-coagulation factor.

ANXA3 produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 323 amino acids (1-323 a.a.) and having a molecular mass of 36.3 kDa. ANXA3 is purified by proprietary chromatography techniques.

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

Format: The ANXA3 protein solution contains 20mM Tris-HCl, pH-7.5, 1mM DTT and 10% glycerol.

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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