

## 32-3196: ANXA2 Recombinant Protein

**Alternative Name :** ANX2,ANX2L4,CAL1H,LIP2,LPC2,LPC2D,P36,PAP-IV,ANXA2,Annexin A2,Annexin-2,Annexin II,Lipocortin II,Calpactin-1 heavy chain,Calpactin I heavy chain,Chromobindin-8,p36,Protein I,Placental anticoagulant protein IV.

### Description

Source : Escherichia Coli. ANXA2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 376 amino acids (1-339a.a.) and having a molecular mass of 42.8 kDa. ANXA2 is fused to a 37 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques. ANXA2 is part of the annexin family and is involved in the regulation of cellular growth and in signal transduction pathways. ANXA2 protein functions as an autocrine factor which increases osteoclast formation and bone resorption. ANXA2 is associated with sickle cell osteonecrosis. Reduced ANXA2 expression is associated with osteosarcoma metastases. ANXA2 is part of the putative cell surface vitamin D binding protein binding site complex and functions to mediate the chemotactic cofactor effect. ANXA2 is involved in dysferlin deficiency and in muscular dystrophies. Human colon adenocarcinoma cell differentiation is related with an up-regulation of ANXA2.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** ANXA2 solution containing 20mM Tris pH-8, 0.1M NaCl and 10% glycerol.  
**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 :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMST VHEILCKLSL EGDHSTPPSA  
 YGSVKAYTNF DAERDALNIE TAIKTKGVDE VTIVNILTNR SNAQRQDIAF AYQRRTKKEL ASALKSALSG  
 HLETVILGLL KTPAQYDASE LKASMKGGLT DEDSLIEIC SRTNQELQEI NRVYKEMYKT DLEKDIISDT  
 SGDFRKLMA LAKGRRRAEDG SVIDYELIDQ DARDLYDAGV KRKGTDVPKW ISIMTERSVP HLQKVFDTRYK  
 SYSPYDMLSE IRKEVKGDL E NAFLNLVQCI QNKPLYFADR LYDSMKGKGT RDKVLIRIMV SRSEVDMLKI  
 RSEFKRKYGK SLYYYIQQDT KGDYQKALLY LCGGDD.

