

Human Annexin A4

Synonyms: ANX4, ANXA4, Annexin-IV, Lipocortin-4, Lipocortin-IV, Annexin-4, Annexin A4, Endonexin I, Chromobindin-4, Protein II, P32.5, Placental anticoagulant protein II, PAP-II, PP4-X, 35-beta calcimedlin, Carbohydrate-binding protein p33/p41, PIG28, ZAP36, MGC7510

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	4080.950.002		
10 µg	4080.950.010		
1 mg	4080.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Human Annexin A4 (ANXA4) produced in E.Coli is a non-glycosylated protein consisting of 321 amino acids (1-321 a.a.) with a molecular mass of 36 kDa. It is part of the annexin family of calcium-dependent phospholipid binding proteins. Annexin A4 (ANXA4) has 45%-59% identity with other proteins of its family and shares a related size and exon-intron organization. Annexin A4 (ANXA4) interacts with ATP, has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. Annexin A4 (ANXA4) is exclusively expressed in epithelial cells. It is a Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.

- **Source** *E. Coli*
- **Purity** ≥ 90 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Tris-HCl (20mM, pH-8,0), NaCl (0,2M), glycerol (20%)*
- **Physical state** Sterile filtered solution

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). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MAMATKGGTV KAASGFNAME DAQTLRKAMK GLGTDEDAII SVLAYRNTAQ RQEIRTAYKS TIGRDLIDDL
 KSELSGNFEQ VIVGMMTPTV LYDVQELRRA MKGAGTDEGC LIEILASRTP EEIRRISQTY QQQYGRSLED
 DIRSDTSFMF QRVLVLSL SAG GRDEGNYLDD ALVRQDAQDL YEAGEKKWGT DEVKFLTVLC SRNRNHLHVV
 FDEYKRISQK DIEQSIKSET SGSFEDALLA IVKCMRNKSA YFAEKLYKSM KGLGTDDNTL IRVMVSR AEI
 DMLDIRAHFK RLYGKSLYSF IKGDTSGDYR KVLLVLCGGD D

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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