

Recombinant Human Annexin A4

Cat. No. ANXA4-1842 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant ANXA4 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 36 kDa (321aa).
Species	Human
Source	E.coli
Protein Length	1-321 aa
Description	ANXA4 belongs to the annexin family of calcium-dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. Isolated from human placenta, this protein has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANXA4 is almost exclusively expressed in epithelial cells.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.2M NaCl.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MAMATKGGTVKAASGFNAMEDAQTLRKAMKGLGTDEDAIISVLAYRNTAQ RQEIR TAYKSTIGRDLIDDLKSELSGNFEQ VIVGMMTPTVLYDVQELRRA MKGAGTDEGC L IEILASRTPEEIRRISQTYQQYGRSLEDDIRSDTSFMFQRVLVSLSAG GRDEGN Y L

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DDALVRQDAQDLYEAGEKKWGTDEVKFLTVLCSRNRNHLHVFDEYKRISQK DIE
QSIKSETSGSFEDALLA IVKCMRNKSA YFAEKLYKSM KGLGTTDDNTLIRVMVSRAEI
DMLDIRAHFK RLYGKSLYSF IKGDTSGDYR KVLLVLCGGD D.

Storage

can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

ANXA4 annexin A4 [Homo sapiens]

Synonyms

annexin A4; ANX4; PIG28; ZAP36; MGC75105; DKFZp686H02120; ANXA4; P32.5; PP4-X; PAP-II; annexin-4; protein II endonexin I; lipocortin IV; chromobindin-4; 35-beta calcimedin; proliferation-inducing gene 28; proliferation-inducing protein 28; placental anticoagulant protein II; carbohydrate-binding protein p33/p41; annexin IV (placental anticoagulant protein II); Placental anticoagulant protein II; Annexin IV; Chromobindin-4; Protein II; Endonexin I; Carbohydrate-binding protein p33/p41; Lipocortin IV; Annexin-4

Gene ID

307

mRNA Refseq

NM_001153

Protein Refseq

NP_001144

MIM

106491

UniProt ID

P09525

**Chromosome
Location**

2p13

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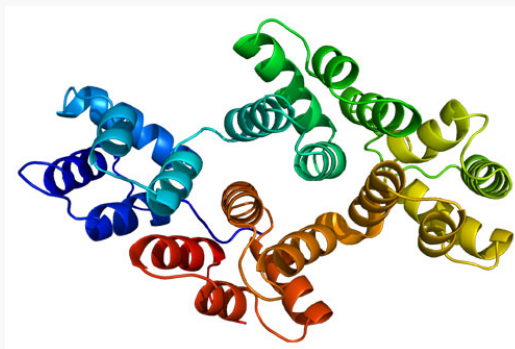
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Function

calcium ion binding; calcium-dependent phospholipid binding; phospholipase inhibitor activity

PDB rendering based on 1ann



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