

Recombinant human Annexin A4/ANXA4 protein

Catalog Number: ATGP0463

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-321aa

UniProt No.

P09525

NCBI Accession No.

NP_001144

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

36 kDa (321aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.2M NaCl

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant ANXA4 protein was expressed in E. coli

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and purified by using conventional chromatography techniques.

Amino acid Sequence

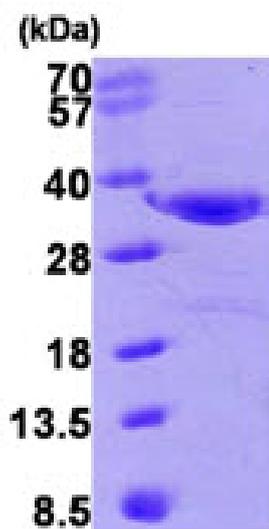
MAMATKGGTV KAASGFNAME DAQTLRKAMK GLGTDEDAIL SVLAYRNTAQ RQEIRTAYKS TIGRDLIDDL KSELNGNFEQ
VIVGMMTPTV LYDVQELRRA MKGAGTDEGC LIEILASRTP EEIRRISQTY QQYGRSLED DIRSDTSFMF QRVLVLSLGS
GRDEGNLDD ALVRQDAQDL YEAGEKKWGT DEVKFLTVLC SRNRNHLHV FDEYKRISQK DIEQSIKSET SGSFEDALLA
IVKCMRNKSA YFAEKLYKSM KGLGTDDNTL IRVMVSRAEI DMLDIRAHFK RLYGKSLYSF IKGDTSGDYR KVLLVLCGGD D

General References

Tait JF., et al. (1992) Genomics 12 (2): 313-8.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)