

Recombinant human Annexin A1/ANXA1 protein

Catalog Number: ATGP0291

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-346aa

UniProt No.

P04083

NCBI Accession No.

NP_000691.1

Alternative Names

Annexin I, Annexin-1, Calpactin II, Calpactin-2, Chromobindin-9, Lipocortin I, phospholipase A2 inhibitory protein, p35, Annexin Ac2-26, ANX1, LPC1

PRODUCT SPECIFICATION

Molecular Weight

38.7 kDa (346aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 1mM DTT, 10% glycerol,

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

Annexin A1, also known as Lipocortin I, belongs to a family of Ca (2+) -dependent phospholipid binding proteins that are preferentially located on the cytosolic face of the plasma membrane. It promotes membrane fusion and is also involved in exocytosis. Since Annexin A1 has phospholipase A2 inhibitory activity to bind from two to four calcium ions with high affinity, this protein may have potential anti-inflammatory activity. The detection of this protein by immunocytochemical means reportedly provides a simple, highly sensitive and specific assay for

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diagnosis of hairy cell leukemia. Recombinant human Annexin A1 protein was expressed in *E. coli* and purified by using conventional chromatography.

Amino acid Sequence

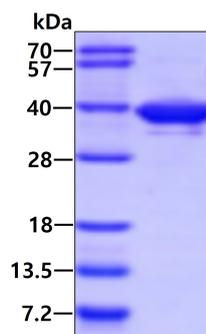
MAMVSEFLKQ AWFIEEEQE YVQTVKSSKG GPGSAVSPYP TFNPSSDVAA LHKAIMVKGV DEATIIDILT KRNNAGRQOI
KAAYLQETGK PLDETLKKAL TGHLEEVVLA LLKTPAQFDA DELRAAMKGL GTDEDTLIEI LASRTNKEIR DINRVYREEL
KRDLAKDITS DTSGDFRNAL LSLAKGDRSE DFGVNEDLAD SDARALYEAG ERRKGTDVNV FNTILTTRSY PQLRRVFQKY
TKYSKHD MNK VLDLELKGDI EKCLTAIVKC ATSKPAFFAE KLHQAMKGVG TRHKALIRIM VSRSEIDMND IKAFYQKMYG
ISLCQAILDE TKGDYEKILV ALCGGN

General References

Lim LH., et al. (2007). *FASEB J.* 21(4):968-75
Kovacic RT., et al. (1991). *Biochemistry.* 30(37):9015-21

DATA

SDS-PAGE



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