

AR09169PU-S

Recombinant human Annexin A1 / ANXA1 (aa 1-346)

Alternate names:

ANX1, Annexin I, Annexin-1, Calpactin II, Chromobindin-9, LPC1, Lipocortin I, Phospholipase A2 inhibitory protein, p35

Quantity:

20 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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 diagnosis of hairy cell leukemia.

Uniprot ID:

[P04083](#)

NCBI:

[NP_000691](#)

GeneID:

[301](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 1mM DTT, 10% glycerol

Description:

Recombinant human Annexin A1 protein was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

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

Molecular weight: 38.7 kDa (346 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

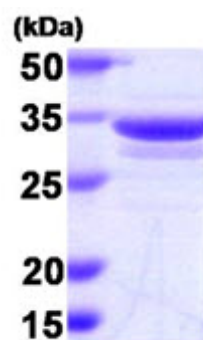
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Lim LH., et al. (2007). FASEB J. 21(4):968-75.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human Annexin A1 /
ANXA1, aa 1-346: 15% SDS-PAGE (3 µg)

