

Product information

Annexin A1, 1-346aa

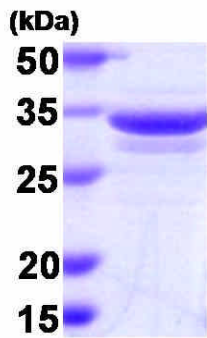
Human, Recombinant, *E.coli*

Cat. No. IBATGP0291

Synonyms: Annexin-1, Lipocortin I, Calpactin II, Chromobindin-9, p35, ANXA1, ANX1, LPC1

NCBI Accession No.: NP_000691

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

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 1mM DTT, 10% glycerol,</p> <p>Molecular Weight: 38.7 kDa (346aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>(kDa) 50 35 25 20 15</p> <p>15% SDS-PAGE (3ug)</p>
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Sequences of amino acids:

MAMVSEFLKQ AWFIENEEQE YVQTVKSSKG GPGSAVSPYP TFPSSDVAA LHKAIMVKGV DEATI IDILT KRNNAGRQQI 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

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.