

Recombinant Human ANXA1

Cat. No. ANXA1-26594TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Annexin A1; amino acids 1-346 , 38.7kDa.
Species	Human
Source	E.coli
ProteinLength	1-346 a.a.
Description	Annexin I belongs to a family of Ca(2+)-dependent phospholipid binding proteins which have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. Annexin I protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Since phospholipase A2 is required for the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes, annexin I may have potential anti-inflammatory activity.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MAMVSEFLKQ AWFIEENEEQE YVQTVKSSKG GPGSAVSPYP TFNPSSDVAA
 LHKAIMVKGV DEATIIDILT KRNNARQQI KAYLQETGK PLDETLKKAL
 TGHLEEVVLA LLKTPAQFDA DELRAAMKGL GTDEDTLIEI LASRTNKEIR
 DINRVYREEL KRDLAKDITS DTSGDFRNAL LSLAKGDRSE DFGVNEDLAD
 SDARALYEAG ERRKGTDVNV FNTILTTRSY PQLRRVFQKY TKYSKHDMNK
 VLDLELKGDI EKCLTAIVKC ATSKPAFFAE KLHQAMKGVG TRHKALIRIM
 VSRSEIDMND IKAFYQKMYG ISLCQAILDE TKG DY EKILV ALCGGN

Sequence Similarities

Belongs to the annexin family. Contains 4 annexin repeats.

Full Length

Full L.

GENE INFORMATION
Gene Name

[ANXA1 annexin A1 \[Homo sapiens \]](#)

Official Symbol

[ANXA1](#)

Synonyms

ANXA1; annexin A1; ANX1, LPC1;

Gene ID

[301](#)

mRNA Refseq

[NM_000700](#)

Protein Refseq

[NP_000691](#)

MIM

[151690](#)

Uniprot ID

[P04083](#)

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Chromosome Location	9q21.13
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Formyl peptide receptors bind formyl peptides and many other ligands, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity; phospholipase inhibitor activity;

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