

# Recombinant Human ANXA1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Annexin A1; amino acids 1-346 , 38.7kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-346 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 8.0
<b>Storage</b>	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 AWFIEEEQE YVQTVKSSKG GPGSAVSPYP TFPSSDVAA  
 LHKAIMVKGV DEATIIDILT KRNNQRQQI KAAYLQETGK PLDETLKKAL  
 TGHLEEVVLA LLKTPAQFDA DELRAAMKGL GTDEDTLIEI LASRTNKEIR  
 DINRVYREEL KRDLAKDITS DTSGDFRNAL LSLAKGDRSE DFGVNEDLAD  
 SDARALYEAG ERRKGTDVNV FNTILTTRSY PQLRRVFQKY TKYSKHDMNK  
 VLDLELKGDI EKCLTAIVKC ATSKPAFFAE KLHQAMKGVG TRHKALIRIM  
 VSRSEIDMND IKAFYQKMYG ISLCQAILDE TKGDYEKILV 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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<b>Chromosome Location</b>	9q21.13
<b>Pathway</b>	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;
<b>Function</b>	calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity; phospholipase inhibitor activity;

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