

Recombinant Human ANXA1

Cat. No. ANXA1-26348TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Annexin A1 produced in <i>Saccharomyces cerevisiae</i> . Protein is tagged with 26 kDa proprietary tag.
Species	Human
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: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MAMVSEFLKQ AWFIEENEEQE YVQTVKSSKG GPGSAVSPYP TFNPSSDVAA LHKAIMVKGV DEATIIDILT KRNNAGRQQI KAAYLQETGK PLDETLLKAL TGHLEEVVLA LLKTPAQFDA DELRAAMKGL GTDEDTLIEI LASRTNKEIR

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DINRVYREEL KRDLAKDITS DTSGDFRNAL LSLAKGDRSE DFGVNEDLAD

**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](#)

**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

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biosystem;

Function

calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity; phospholipase inhibitor activity;

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