

# Recombinant Human ANXA1

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

## SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



biosystem;

**Function**

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA