

## Active Recombinant Human ANXA1 protein, His-tagged

**Cat. No.** ANXA1-33H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human ANXA1(Met1-Asn346) fused with His tag at C-terminal was expressed in E. coli.                                                                                                                                             |
| <b>Species</b>              | Human                                                                                                                                                                                                                                       |
| <b>Source</b>               | E.coli                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>        | 1-346 a.a.                                                                                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Ala2                                                                                                                                                                                                                                        |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                         |
| <b>Bio-activity</b>         | Measured by its ability to inhibit proliferation of A549 human lung carcinoma cells. The ED50 for this effect is typically 1.0-4.0 µg/mL.                                                                                                   |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 39.4 kDa;SDS-PAGE: 38 kDa, reducing conditions.                                                                                                                                                                   |
| <b>Endotoxin</b>            | <0.01 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                         |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain                                                                                                                                                                  |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after |

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reconstitution.

**Reconstitution** Reconstitute at 400 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** [ANXA1 annexin A1 \[ Homo sapiens \]](#)

**Official Symbol** [ANXA1](#)

**Synonyms** ANXA1; annexin A1; ANX1, LPC1; p35; annexin-1; calpactin-2; calpactin II; lipocortin I; chromobindin-9; annexin I (lipocortin I); phospholipase A2 inhibitory protein; 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; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;

**Function**

calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity; phospholipase inhibitor activity; phospholipase inhibitor activity; phospholipid binding; protein binding; protein binding, bridging; protein homodimerization activity; receptor binding; single-stranded DNA binding; single-stranded RNA binding; structural molecule activity;

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