

Active Recombinant Rat Anxa1 protein, His-tagged

Cat. No. Anxa1-161R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Anxa1 protein(P07150)(1-346 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	1-346 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Annexin A1 (ANXA1), also known as lipocortin I, belongs to the annexin family of Ca²⁺-dependent phospholipid-binding proteins that have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. Annexin A1 protein has an apparent relative molecular mass of 40kDa with phospholipase A2 inhibitory activity. To test the effect of ANXA1 on cell apoptosis, A549 cells were seeded into 96-well plates at a density of 3,000 cells/well with 1% serum standard DMEM including various concentrations of recombinant rat ANXA1. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10μ of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 2h at 37oC. Proliferation of A549 cells after incubation with ANXA1 for 48h observed by inverted microscope was shown. Cell viability was assessed by CCK-8 assay after incubation

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with recombinant rat ANXA1 for 48h. The result was shown. It was obvious that ANXA1 significantly inhibit cell viability of A549 cells. The ED50 is 1.75g/mL.

Molecular Mass	45.5kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

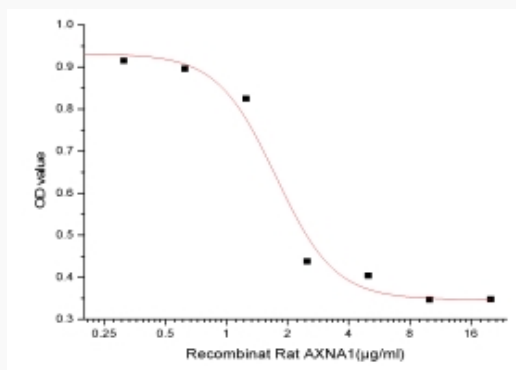
Gene Name	Anxa1 annexin A1 [Rattus norvegicus]
Official Symbol	Anxa1
Synonyms	ANXA1; annexin A1; annexin I; annexin-1; calpactin-2; calpactin II; lipocortin 1; lipocortin I; chromobindin-9; Annexin 1 (p35) (Lipocortin 1); phospholipase A2 inhibitory protein; p35; Anx1;
Gene ID	25380
mRNA Refseq	NM_012904
Protein Refseq	NP_037036

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Activity



SDS-PAGE

