



# Recombinant Rat Annexin A1 (Anxa1)

<b>Product Code</b>	CSB-EP001836RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P07150
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AMVSEFLKQ ACYIEKQEQE YVQAVKSYKG GPGSAVSPYP SFNPSSDVAA LHKAIMVKGV DEATIIDILT KRTNAQRQI KAAYLQETGK PLDETLKKAL TGHLEEVVLA MLKTPAQFDA DELRAAMKGL GTDEDTLIEI LTTRSNNQIR EITRVYREEL KRDLAKDITS DTSGDFRNAL LALAKGDRCE DMSVNQDLAD TDARALYEAG ERRKGTDVNV FNTILTTRSY PHLRKVFQNY RKYSQHDMNK ALDLELKGDI EKCLTTIVKC ATSTPAFFAE KLYEAMKGAG TRHKTLIRIM VSRSEIDMNE IKVIFYQKKYG IPLCQAILDE TKGDYEKILV ALCGGN
<b>Source</b>	E.coli
<b>Target Names</b>	Anxa1
<b>Protein Names</b>	Recommended name: Annexin A1 Alternative name(s): Annexin I Annexin-1 Calpactin II Calpactin-2 Chromobindin-9 Lipocortin I Phospholipase A2 inhibitory protein p35
<b>Expression Region</b>	2-346
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.