



# Recombinant Guinea pig Annexin A1 (ANXA1)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-MP001836GU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P14087  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Cavia cutleri (Guinea pig)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SMVSEFLKQ AYFIDNQEVD YVKTVKSSKG GPGSAVSPYP SFDASSDVAA<br>LHKAITVKGV DEATIIDILT KRNNARQQI KAAYLQEKGG PLDEALKKAL<br>TGHLEEVVLA LLKTPAQLDA DELRAAMKGL GTDEDTLIEI LVSRKNREIK<br>EINRVYRDEL KRDLAKDITS DTSGDFQKAL LSLAKGDRCE DLSVNDDLAD<br>SDARALYEAG ERRKGTDVNV FITILTTTSY SHLRRVFQKY TKYSQHDMNK<br>ALDLELKGD I ENCLTAIVKC ATSTPAFFAE KLHLAMKGAG TRHKALIRIM<br>VSRSEIDMND IKVYYQKMYG ISLCQAILDE TKG DY EKILV ALCGGQ   |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | ANXA1   |
| <b>Protein Names</b>     | Recommended name: Annexin A1 Alternative name(s): Annexin I Annexin-1<br>Calpactin II Calpactin-2 Chromobindin-9 Lipocortin I Lipocortin-like 33 kDa<br>protein 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<br>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<br>which have a molecular weight of approximately 35,000 to 40,000 and are<br>preferentially located on the cytosolic face of the plasma membrane. Annexin I<br>protein has an apparent relative molecular mass of 40 kDa, with phospholipase<br>A2 inhibitory activity. Since phospholipase A2 is required for the biosynthesis of<br>the potent mediators of inflammation, prostaglandins and leukotrienes, annexin I<br>may have potential anti-inflammatory activity. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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,<br>storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life<br>of lyophilized form is 12 months at -20°C/-80°C.  |