

## Recombinant Human Annexin A1

### ORDERING INFORMATION

Catalog Number	Size
13821P-2	2ug
13821P-10	10ug
13821P-100	100ug

**Formulation:** Sterile-filtered colorless solution in 20mM Tris-HCl, pH 8.0, 100mM NaCl, 1mM DTT, and 10% glycerol. Purified by proprietary chromatographic techniques.

### BACKGROUND

Annexin A1 is a member of the Ca<sup>+2</sup>-dependent phospholipid binding proteins that are localized on the cytosolic face of the plasma membrane. It inhibits activity of phospholipase A2, binding 2-4 calcium ions with high affinity. Given the involvement of phospholipase A2 in mediating inflammation, prostaglandins, and leukotrienes, Annexin A1 might have potential anti-inflammatory activity.

### DESCRIPTION

Recombinant Human Annexin A1 produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 346 amino acids with a molecular weight of 38.7kDa.

### SPECIFICATION SUMMARY

**Source:** *Escherichia coli*

**Purity:** Greater than 95% as determined by SDS-PAGE.

**Accession number:** P04083

**Amino Acid Sequence:**

MAMVSEFLKQ AWFIEEEEQE YVQTVKSSKG  
GPGSAVSPYP TFPSSDVAA LHKAIMVKGV  
DEATIIDILT KRNNQRQQI KAAYLQETGK  
PLDETLKKAL TGHLEEVVLA LLKTPAQFDA  
DELRAAMKGL GTDEDTLIEI LASRTNKEIR  
DINRVYREEL KRDLAKDITS DTSGDFRNAL  
LSLAKGDRSE DFGVNEDLAD SDARALYEAG  
ERRKGTDVNV FNTILTTRSY PQLRRVFQKY  
TKYSKHDMNK VLDLELKGDI  
EKCLTAIVKCATSKPAFFAE KLHQAMKGVG  
TRHKALIRIM VSRSEIDMND IKAFYQKMYG  
ISLCQAILDE TKGDYEKILV ALCGGN

### STORAGE AND STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. For long term storage, addition of a carrier protein (0.1% HSA or BSA) is recommended.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*