

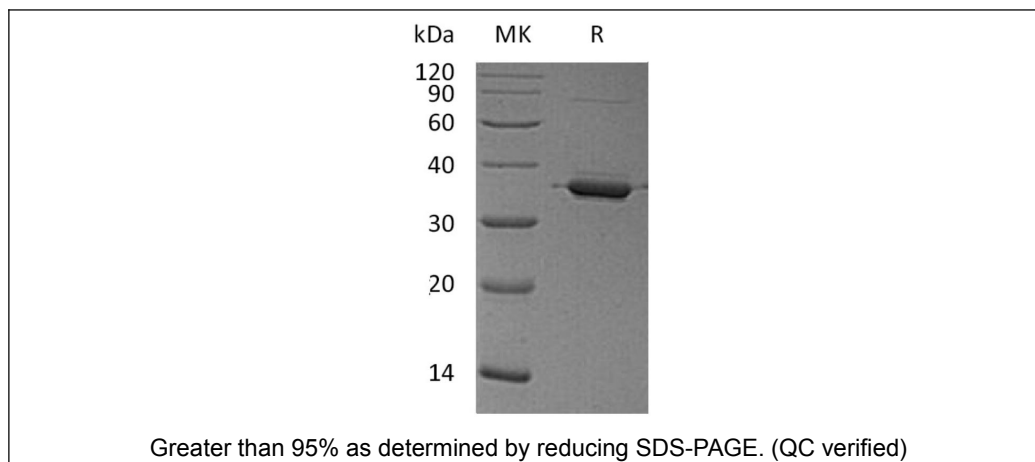


## Annexin A2/ANXA2

E21-205

**Catalog Number:**E21-205**Amount:**10ug**Altername:**Annexin A2; Annexin II; Annexin-2; Calpactin I Heavy Chain; Calpactin-1 Heavy Chain; Chromobindin-8; Lipocortin II; Placental Anticoagulant Protein IV; PAP-IV; Protein I; p36; ANXA2; ANX2; ANX2L4; CAL1H; LPC2D**Storage/Stability:**Lyophilized protein should be stored at  $-20^{\circ}\text{C}$ . Aliquots of reconstituted samples are stable at  $-20^{\circ}\text{C}$  for 1 year.**Background:**Annexin A2 (ANXA2) is a member of the annexin family and has roles in the regulation of cellular growth and in signal transduction pathways. ANXA2 protein is associated with sickle cell osteonecrosis and the expression reduce of ANXA2 is associated with osteosarcoma metastases. ANXA2 functions as an autocrine factor, it can increases osteoclast formation and bone resorption. ANXA2 is involved in muscular dystrophies. In humans, the up-regulation of ANXA2 is related with colon adenocarcinoma cell differentiation.**Species:**Human**Reconstitution:**Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100  $\mu\text{g/ml}$ .Dissolve the lyophilized protein in ddH<sub>2</sub>O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin:**Less than 0.1 ng/ $\mu\text{g}$  (1 IEU/ $\mu\text{g}$ ) as determined by LAL test.**Purity:**Greater than 95% as determined by reducing SDS-PAGE.**Description:**Recombinant Human Annexin A2 is produced by our E.coli expression system and the target gene encoding Ser2-Asp339 is expressed.**Product State:**Lyophilized**Ship Description:**The product is shipped at ambient temperature.**Formulation:**Lyophilized from a 0.2  $\mu\text{m}$  filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM EDTA, pH 7.5.**Expression system:**E.coli**For Research Use Only**