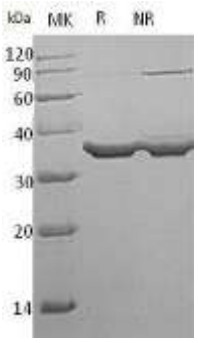
Recombinant Human ANXA2

Catalog No: C205

Description	Recombinant Human Annexin A2 is produced by our E.coli expression system and the target gene encoding Ser2-Asp339 is expressed.
Source	E.coli
Alternative name	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
Accession No.	P07355
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM EDTA, pH 7.5.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Amino Acid Sequence	MSTVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTIVNILTNRSNAQRQD IAFAYQRRTKKELASA LKSALSGHLETVILGLLKTPAQYDASELKASMKGLGTDEDSLIEIICSRTNQELQEINRVYKEMYKTDLEK DIISDTSGDFRKLMVAL AKGRRAEDGSVIDYELIDQDARDLYDAGVKRKGTDVPKWISIMTERSVPHLQKVFDRYKSYSPYDMLE SIRKEVKGDLENAFLN LVQCIQNKPLYFADRLYDSMKGKGTRDKVLIRIMVSRSEVDMLKIRSEFKRKYGKSLYYYIQQDTKGDY QKALLYLCGGDD
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 increase 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.

SDS-Page



MK: Marker

R: Sample in reducing conditions

NR: Sample in non-reducing conditions