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# Recombinant Human ANXA2

Catalog#:P00071 Derived from *E.coli*

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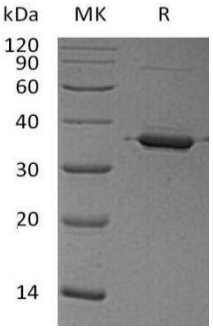
| **DESCRIPTION** | Recombinant Human Annexin A2 is produced by our *E.coli* expression system and the target gene encoding Ser2-Asp339 is expressed.<br>Accession#:P07355<br>Known as:Annexin A2; Annexin II; Annexin-2; Calpactin I Heavy Chain; Calpactin-1 Heavy Chain; Chromobindin-8; Lipocortin II; Placental Anticoagulant Protein IV; PAP-IV; Protein I; p36; ANXA2; ANX2; ANX2L4; CAL1H; LPC2D |
| **FORMULATION** | Lyophilized from a 0.2μm filtered solution of 20mM Histidine-HCl, 6% Sucrose, 4% Mannitol, 0.05%Tween 80, pH 5.5. |
| **SHIPPING** | The product is shipped at ambient temperature.<br>Upon receipt, store it immediately at the temperature listed below. |
| **STORAGE** | Lyophilized protein should be stored at < -20°C, stable for one year after receipt.<br>Reconstituted protein solution can be stored at 2-8°C for 2-7 days.<br>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.*<br>*It is not recommended to reconstitute to a concentration less than 100μg/ml*<br>Dissolve the lyophilized protein in distilled water.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **QUALITY CONTROL** | Mol Mass: 38.6kDa AP Mol Mass: 35kDa, reducing conditions.<br>Purity: Greater than 95% as determined by reducing SDS-PAGE.<br>Endotoxin: Less than 0.1ng/μg (1 EU/μg) as determined by LAL test. |
| **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. |
| **SDS-PAGE** |  |