

Recombinant Human Annexin A2/ANXA2 Protein

Catalog No.: RP02731 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	302	P07355

Tags

N-His

Synonyms

Chromobindin-8; Lipocortin II; PAP-IV;
ANX2; ANX2L4; CAL1H; LPC2D; ANXA2;
Annexin A2; Annexin II; LIP2PAP-IV;
LPC2D; LPC2DP36; p36

Product Information

Source	Purification
<i>E. coli</i>	> 95% as determined by Tris-Bis PAGE

Calculated MW	Observed MW
39.6 kDa	39 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

ANXA2, highly expressed in invasive breast cancer cells, is closely related with poor prognosis, and acts as a molecular switch to EGFR activation. ANXA2 expression is inversely correlated with cell sensitivity to gefitinib. Knockdown of ANXA2 expression in MDA-MB-231 cells increased the gefitinib induced cell death. When ANXA2 was overexpressed in MCF7 cells, the gefitinib induced cell death was decreased. Furthermore, the phosphorylation of ANXA2 at Tyr23 is negatively correlated with the sensitivity of TNBC to gefitinib.

Basic Information

Description

Recombinant Human Annexin A2/ANXA2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence Ser2-Asp339. of Human Annexin A2/ANXA2 (Accession #) fused with His tag at the N-terminal

Bio-Activity

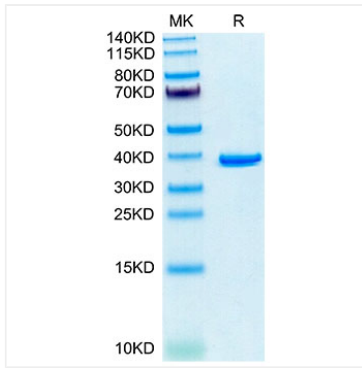
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Human ANXA2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.