Recombinant Human Annexin A2/ANXA2 Protein

Catalog No.: RP02731

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Sequence Information

Species
Human

Gene ID
302

Swiss Prot
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
E. coli

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW
39.6 kDa

Observed MW
39 kDa

Endotoxin
< 1 EU/μg of the protein by 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

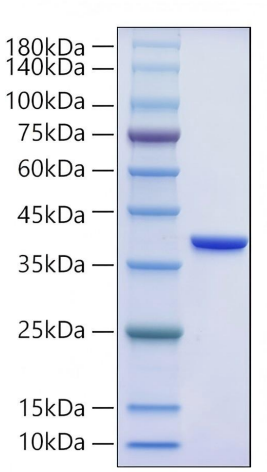
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Annexin A2/ANXA2 Protein was determined by Tris-Bis PAGE under reducing conditions.