

Recombinant Human ANXA2 Protein

Cat. No. ANXA2-26598TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANXA2 Protein (2-339 aa) without tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	2-339 aa
Description	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.
Form	Lyophilized from 0.22 µm filtered solution in PBS, 50 mM L-arginine, 4 mM DTT (pH 7.4).
Molecular Mass	39.6 kDa
Endotoxin	Level Less than 1 EU/µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

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Storage Upon receiving, the product remains stable for 6 months at -20 centigrade or below. Upon reconstitution, the product should be stable for 3 months at -80 centigrade. Avoid repeated freeze-thaw cycles.

Reconstitution Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [ANXA2 annexin A2 \[Homo sapiens \]](#)

Official Symbol [ANXA2](#)

Synonyms ANXA2; annexin A2; ANX2, ANX2L4, CAL1H, LPC2D; annexin II; LIP2; annexin-2; protein I; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV; P36; ANX2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV;

Gene ID [302](#)

mRNA Refseq [NM_001002857](#)

Protein Refseq [NP_001002857](#)

MIM [151740](#)

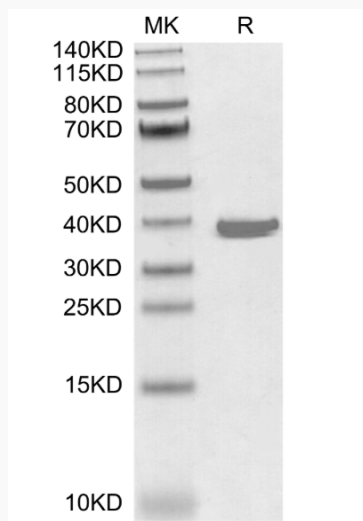
UniProt ID [P07355](#)

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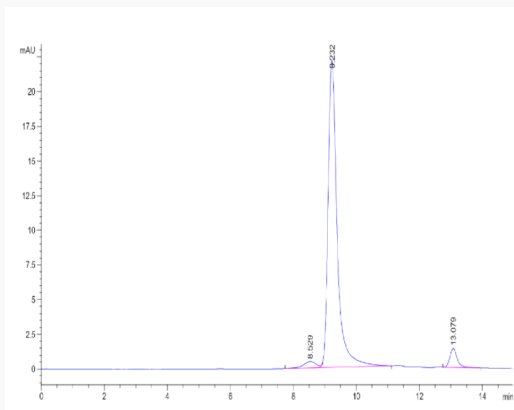
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SDS-PAGE and WB



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

SEC-HPLC



The purity of ANXA2, His, Human is greater than 90% as determined by SEC-HPLC.

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