

# Recombinant Human Annexin A2/ANXA2 Protein

Catalog Number:PKSH032074



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

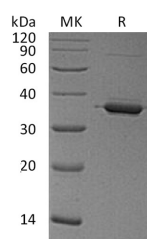
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ser2-Asp339
<b>Accession</b>	P07355
<b>Calculated Molecular Weight</b>	38.6 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	None

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Histidine-HCl, 6% Sucrose, 4% Mannitol, 0.05% Tween 80, pH 5.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specifi
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017