9051 Mira Mesa Blvd, #910094
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# ANXA2 Human

*Annexin A2 Human*
*RCP0068*

## Product Overview

| | |
|---|---|
| Name | ANXA2 Human |
| **Description** | |
| Annexin A2 Human | |
| Accession (Primary) | P07355 |
| **Synonyms** | |
| ANX2, ANX2L4, CAL1H, LIP2, LPC2, LPC2D, P36, PAP-IV, ANXA2, Annexin A2, Annexin-2, Annexin II, Lipocortin II, Calpactin-1 heavy chain, Calpactin I heavy chain, Chromobindin-8, p36, Protein I, Placental anticoagulant protein IV. | |
| **Introduction** | |
| ANXA2 is part of the annexin family and is involved in the regulation of cellular growth and in signal transduction pathways. ANXA2 protein functions as an autocrine factor which increases osteoclast formation and bone resorption. ANXA2 is associated with sickle cell osteonecrosis. Reduced ANXA2 expression is associated with osteosarcoma metastases. ANXA2 is part of the putative cell surface vitamin D binding protein binding site complex and functions to mediate the chemotactic cofactor effect. ANXA2 is involved in dysferlin deficiency and in muscular dystrophies. Human colon adenocarcinoma cell differentiation is related with an up-regulation of ANXA2. | |
| **Source** | |
| Human Adipose Tissue. | |
| **Physical Appearance** | |
| Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| ANXA2 protein filtered (0.4 µm) and lyophilized in 0.5mg/ml in 0.05M phosphate buffer, 0.075M NaCl and pH 6.5. | |
| **Stability** | |
| Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. | |
| **Purity** | |
| Greater than 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| STVHEILCKL SLEGDHSTPP SAYGSVKAYT NFDAERDALN IETAIKTKGV DEVTIVNILT NRSNAQRQDI | |

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AFAYQRRTKK ELASALKSAL SGHLETVILG LLKTPAQYDA SELKASMKGL GTDEDSLIEI ICSRTNQELQ EINRVYKEMY KTDLEKDIIS DTSGDFRKLM VALAKGRRAE DGSVIDYELI DQDARDLYDA GVKRKGTDVP KWISIMTERS VPHLQKVFDR YKSYSPYDML ESIRKEVKGD LENAFLNLVQ CIQNKPLYFA DRLYDSMKGK GTRDKVLIRI MVSRSEVDML KIRSEFKRKY GKSLYYYIQQ DTKGDYQKAL LYLCGGDD.

**Solubility**

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Precautions**

ANXA2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P07355 )