

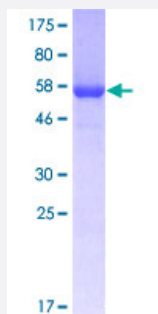
Full-Length

ANXA2 (Human) Recombinant Protein (P01)

Catalog # H00000302-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANXA2 full-length ORF (AAH09564.1, 1 a.a. - 339 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFTVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTIVNILTNRNSNAQR
QDIAFAYQRRTKKELASALKSALSGHLETILGLLKTPAQYDASELKASKGLGTDEDSLEIICSRT
NQELQEINRVYKEMYKTDLEKDIIISDTSGDFRKL MVALAKGRRRAEDGSVIDYELIDQDARDLYDAG
VKRKGTDV PKWISIMTERS VPHLQKVFD RYKSYSPYDMLESIRKEVKGDLEN AFLNLVQCIQNKPL
YFADRLYDSMKGKGTRDKVLIRIMVSRSEVDMLKIRSEFKRKYGKSLYYYIQQDTKGDYQKALLYLC
GGDD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.03

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ANXA2

Entrez GeneID [302](#)

GeneBank Accession# [BC009564](#)

Protein Accession# [AAH09564.1](#)

Gene Name ANXA2

Gene Alias ANX2, ANX2L4, CAL1H, LIP2, LPC2, LPC2D, P36, PAP-IV

Gene Description annexin A2

Omim ID [151740](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000163650|annexin II|calpactin I heavy polypeptide|chromobindin 8|lipocortin II|placental anticoagulant protein IV

Publication Reference

- [Anti-dsDNA antibodies bind to mesangial annexin II in lupus nephritis.](#)

Yung S, Cheung KF, Zhang Q, Chan TM.

Journal of the American Society of Nephrology 2010 Nov; 21(11):1912.

Application: Func, WB-Re, Human, Antibody, Human mesangial cells, Recombinant protein

- [Factor Xa binding to annexin 2 mediates signal transduction via protease-activated receptor 1.](#)

Bhattacharjee G, Ahamed J, Pawlinski R, Liu C, Mackman N, Ruf W, Edgington TS.

Circulation Research 2008 Jan; 102(4):457.

Application: PI, Human, HUVEC

Disease

- [Anemia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Osteonecrosis](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)