

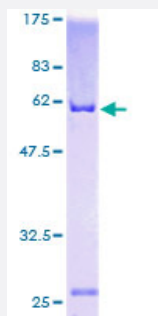
Full-Length

ANXA2 (Human) Recombinant Protein (P02)

Catalog # H00000302-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANXA2 full-length ORF (AAH66955, 19 a.a. - 357 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTIVNILTNRNAQR
QDIAFAYQRRTKKELASALKSALSGHLETIVILGLLKTPAQYDASELKASKGLGTDEDSLEIICSRT
NQELQEINRVYKEMYKTDLEKDIISDTSGDFRKL MVALAKGRRRAEDGSVIDYELIDQDARDLYDAG
VKRKGTDVPKWISVMTERSVPHLQKVFDRYKSYSPYDML SIRKEVKGDLENAFLNLVQCQNKP
LYFADRLYDSMKGKGTDRDKVLIRIMVSRSEVDMLKIRSEFKRKYGKSLYYIQQDTKGDYQKALLYL
CGGDD

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# [BC066955](#)

Protein Accession# [AAH66955](#)

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

- [Annexin A2 is a discriminative serological candidate in early hepatocellular carcinoma.](#)

Sun Y, Gao G, Cai J, Wang Y, Qu X, He L, Liu F, Zhang Y, Lin K, Ma S, Yang X, Qian X, Zhao X.

Carcinogenesis 2013 Mar; 34(3):595.

Application: S-ELISA, Human, Serum

Disease

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