

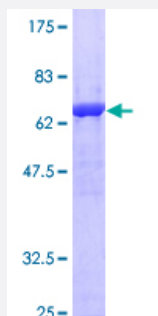
Full-Length

ANXA1 (Human) Recombinant Protein (P01)

Catalog # H00000301-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANXA1 full-length ORF (AAH01275, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAMVSEFLKQAWFIENEEQEYVQTVKSSKGGPGSAVSPYPTFNPSSDVAALHKAIMVKGVD
EATIIDILTKRNNQRQQIKAAYLQETGKPLDETLKKALTGHLEEVVLALLKTPAQFDADELRAAMKGLG
TDEDTLIEILASRTNKEIRDINRVYREELKRDIAKSDTSFGDFRNALLSLAKGDRSEDFGVNEDLA
DSDARALYEAGERRKGTDVNFNTILTTRSYPLRRVFQKYTKYSKHD MNKVL DLELKGDI EKCLT
AMKCATSKPAFFAEKLHQAMKGVGTRHKALIRIMVSRSEIDMNDIKAFYQKMYGISLCQAILDETKG
DYEKILVALCGGN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.8

Interspecies Antigen Sequence

Mouse (88); Rat (89)

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 — ANXA1

Entrez GeneID[301](#)**GeneBank Accession#**[BC001275](#)**Protein Accession#**[AAH01275](#)**Gene Name**

ANXA1

Gene Alias

ANX1, LPC1

Gene Description

annexin A1

Omim ID[151690](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Annexin I belongs to a family of Ca(2+)-dependent phospholipid binding proteins which have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. Annexin I protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Since phospholipase A2 is required for the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes, annexin I may have potential anti-inflammatory activity. [provided by RefSeq]

Other Designations

OTTHUMP00000021474|OTTHUMP00000021475|annexin I|annexin I (lipocortin I)|lipocortin I

Publication Reference

- [Prostate cancer biomarker annexin A3 detected in urines obtained following digital rectal examination presents antigenic variability.](#)

Hamelin-Peyron C, Vlaeminck-Guillem V, Haïdous H, Schwall GP, Poznanović S, Gorius-Gallet E, Michel S, Larue A, Guillotte M, Ruffion A, Choquet-Kastylevsky G, Ataman-Önal Y.

Clinical Biochemistry 2014 Jul; 47(10-11):901.

Application: ELISA, Func, WB-Re, Human, Human urine

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)