

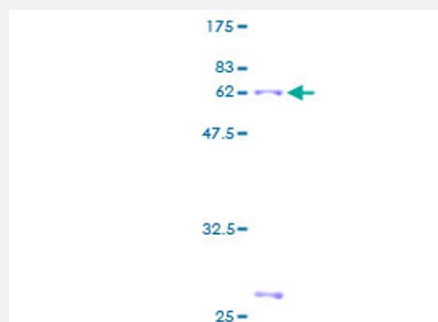
Full-Length

ANXA3 (Human) Recombinant Protein (P01)

Catalog # H00000306-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANXA3 full-length ORF (AAH00871, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASWVGHRGTVRDYPDFSPSVDAEAIQKAIRGIGTDEKMLISILTERSNAQRQLVKEYQAAYGKEL
KDDLKGDLSGHFEHLMVALVTPPAVFDKQLKKSMKGAGTNEDALIEILTTRTSRQMKDISQAYYT
VYKKS LGDDISSETSGDFRKALLTLADGRRDESLKVDEHLAKQDAQILYKAGENRWGTDEDKFTE
ILCLRSFPQLKLT FDEYRNISQKD VDSIKGELSGHFEDLLLAVNCVRNTPAFLAERLHRALKGIGTD
EFTLNRIMVSRSEIDLLDIRTEFKKHYGYSLYSAIKSDTSGDYEITLLKICGGDD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.27

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 — ANXA3

Entrez GeneID [306](#)

GeneBank Accession# [BC000871](#)

Protein Accession# [AAH00871](#)

Gene Name ANXA3

Gene Alias ANX3

Gene Description annexin A3

Omim ID [106490](#)

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 in the inhibition of phospholipase A2 and cleavage of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. This protein may also play a role in anti-coagulation. [provided by RefSeq]

Other Designations Annexin III (lipocortin III)|annexin III (lipocortin III, 1,2-cyclic-inositol-phosphate phosphodiesterase, placental anticoagulant protein III, calcimedlin 35-alpha)|calcimedlin 35-alpha

Publication Reference

- [Noninvasive Precision Screening of Prostate Cancer by Urinary Multimarker Sensor and Artificial Intelligence Analysis.](#)

Hojun Kim, Sungwook Park, In Gab Jeong, Sang Hoon Song, Youngdo Jeong, Choung-Soo Kim, Kwan Hyi Lee.

ACS Nano 2020 Dec; 15(3):4054.

Application: Func, Human, Human urine

- [Ultrasensitive and label-free detection of annexin A3 based on quartz crystal microbalance.](#)

Young Jun Kim Md. Mahbubur Rahman Jae-Joon Lee.

Sensors and Actuators. B, Chemical 2013 Feb; 177:172.

Application: Func, Quant, Human, As a standard, Human serum, Human urine

- [A multiplex model of combining gene-based, protein-based, and metabolite-based with positive and negative markers in urine for the early diagnosis of prostate cancer.](#)

Cao DL, Ye DW, Zhang HL, Zhu Y, Wang YX, Yao XD.

Prostate 2011 May; 71(7):700.

Application: WB-Re, As a standard, Recombinant protein

- [Annexin A3 in Urine: A Highly Specific Noninvasive Marker for Prostate Cancer Early Detection.](#)

Schostak M, Schwall GP, Poznanovic S, Groebe K, Muller M, Messinger D, Miller K, Krause H, Pelzer A, Horninger W, Klocker H, Hennenlotter J, Feyerabend S, Stenzl A, Schrattenholz A.

The Journal of Urology 2008 Nov; 181(1):343.

Application: Quant

- [Differential radioactive quantification of protein abundance ratios between benign and malignant prostate tissues: Cancer association of annexin A3.](#)

Wozny W, Schroer K, Schwall GP, Poznanovic S, Stegmann W, Dietz K, Rogatsch H, Schaefer G, Huebl H, Klocker H, Schrattenholz A, Cahill MA.

Proteomics 2007 Jan; 7(2):313.

Application: WB, Recombinant protein