

# Recombinant human Annexin A3/ANXA3 protein

Catalog Number: ATGP0453

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-323aa

### UniProt No.

P12429

### NCBI Accession No.

NP\_005130

### Alternative Names

Annexin-3, Lipocortin III, Placental anticoagulant protein III, 35-alpha calcimedlin, ANXA3, ANX3, Annexin A3, Annexin III, PAP III, Inositol 1 2 cyclic phosphate 2 phosphohydrolase

## PRODUCT SPECIFICATION

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### Molecular Weight

36.3 kDa (323aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Annexin A3, also known as ANXA3, belong to the calcium dependent phospholipid binding protein family which 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 phosphates to form inositol 1 phosphate. It has been reported for the signaling cascade in rat liver regeneration. Recombinant human ANXA3 was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

MASIWVGHARG TVRDYPDFSP SVDAEAIQKA IRGIGTDEKM LISILTERSN AQRQLIVKEY QAAYGKELKD DLKGDLSGHF  
EHLMVALVTP PAVFDAKQLK KSMKGAGTNE DALIEILTTR TSRQMKDISQ AYYTVYKKS L GDDISSETSG DFRKALLTLA  
DGRRDESLKV DEHLAKQDAQ ILYKAGENRW GTDEDKFTEI LCLRSFPQLK LTFDEYRNIS QKDIVDSIKG ELSGHFEDLL  
LAIVNCRVNT PAFLAERLHR ALKGIGTDEF TLNRIMVSRS EIDLLDIRTE FKKHYGYSLY SAIKSDTSGD YEITLLKICG GDD

## General References

Harashima M., et al. (2008) J Biochem. 143(4):537-45.

Tait J., et al. (1991) Genomics. 10(2):441-8.

## DATA

### SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

