

# Recombinant human Annexin A8/ANXA8 protein

Catalog Number: ATGP0682

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-327aa

### UniProt No.

P13928

### NCBI Accession No.

NP\_001035173

### Alternative Names

Annexin VIII, Annexin-8, Vascular anticoagulant-beta, VAC-beta, ANX8

## PRODUCT SPECIFICATION

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### Molecular Weight

39.0 kDa (347aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 1mM EDTA, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### 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

ANXA8, also known as Annexin A8, a member of the annexin family of evolutionarily conserved Ca<sup>2+</sup> and phospholipid binding proteins. This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. Where co-expressed in the same tissues, ANXA8 is often expressed at a 100-fold lower level than Annexin A5. However, ANXA8 is preferentially expressed in acute promyelocytic leukemia (APL) cells which may relate to its role in hematopoietic cell differentiation. Recombinant human ANXA8 protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MAWWKSWIEQ EGVTVKSSSH FNPDPDAETL YKAMKGIGTN EQAIDVLTK RSNTQRQQIA  
KSFKAQFGKD LTETLKSELS GKFERLIVAL MYPPYRYEAK ELHDAMKGLG TKEGVIIIEIL ASRTKNQLRE IMKAYEEDYG  
SSLEEDIQAD TSGYLERILV CLLQGSRDDV SSFVDPGLAL QDAQDLYAAG EKIRGTDEM K FITILCTRSA THLLRVFEEY  
EKIANKSIED SIKSETHGSL EEAMLTVVKC TQNLHSYFAE RLYYAMKGAG TRDGTLRNI VSRSEIDLNL IKCHFCKMYG  
KTLSSMIMED TSGDYKNALL SLVGSDP

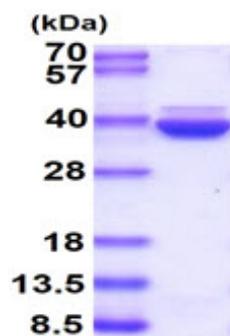
## General References

Movitz C., et al. (2010) J Biol Chem. 285(19):14338-45.

Torosyan Y., et al. (2010) Oncogene. 29(17):2457-66.

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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