

# Product information



## ANXA8, 1-327 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0682

**Full Name:** Annexin A8

**NCBI Accession No.:** NP\_001035173

**Synonyms:** ANX8, Annexin-8, Annexin VII, Vascular anticoagulant-beta, VAC-beta

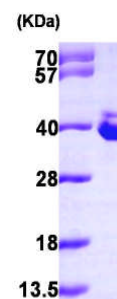
**Description:** ANXA8, also known as Annexin A8, a member of the annexin family of evolutionarily conserved Ca<sup>2+</sup> and phospholipid binding proteins. This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the 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 expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl  
1mM DTT, 1mM EDTA, 10% glycerol

**Molecular Weight:** 39.0 kDa (347aa), confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MAWWKSWIEQ EGVTVKSSSH FNPDPDAETL YKAMKGIGTN EQAIIIDVLTK RSNTQRQQIA KSFKAQFGKD  
LTETLKSELS GKFERLIVAL MYPPYRYEAK ELHDAMKGLG TKEGVIIIEIL ASRTKNQLRE IMKAYEEDYG SSLEEDIQAD TSGYLERILV  
CLLQGSRDDV SSFVDPGLAL QDAQDLYAAG EKIRGTDEM KFITILCTRSA THLLRVFE EY EKIANKSIED SIKSETHGSL EEAMLTVVVK  
TQNLHSYFAE RLYYAMKGAG TRDGTILRN I VSRSEIDLNL IKCHFKKMYG KTLSSMIMED TSGDYKNALL SLVGSDP

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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## General references:

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

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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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