

AR09620PU-L

Human Annexin A8 / ANXA8 (1-327, His-tag) - Purified

Alternate names:

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

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

ANXA8, also known as Annexin A8, a member of the annexin family of evolutionarily conserved Ca²⁺ 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.

Uniprot ID:

[P13928](#)

NCBI:

[NP_001035173](#)

GeneID:

[653145](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 1mM EDTA, 10% glycerol

Description:

Recombinant human ANXA8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MAWWKSWIEQ EGVTVKSSSH FNPDPDAETL YKAMKGIGTN
EQAIIDVLTK RSNTQRQQIA KSFKAQFGKD LTETLKSELS GKFERLIVAL MYPPYRYEAK
ELHDAMKGLG TKEGVIIIEIL ASRTKNQLRE IMKAYEEDYG SSLEEDIQAD TSGYLERILV
CLLQGSRRDV SSFVDPGLAL QDAQDLYAAG EKIRGTDEM K FITILCTRSA THLLRVFEEY
EKIANKSIED SIKSETHGSL EEAMLTVVKC TQNLHSYFAE RLYYAMKGAG TRDGTILIRNI
VSRSEIDLNL IKCHFCKMYG KTLSSMIMED TSGDYKNALL SLVGSDP

Molecular weight: kDa (347aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

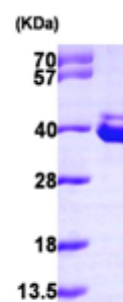
General Readings:

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

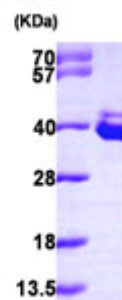
Torosyan Y., et al. (2010) Oncogene. 29(17):2457-66.

Pictures:

Recombinant human ANXA8, 1-327 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)