Recombinant human Annexin A8/ANXA8 protein

Catalog Number: ATGP0682

PRODUCT INFORMATION

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

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

Description
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. Recombinant human ANXA8 protein, fused to His-tag at N-terminus, was

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

Amino acid Sequence

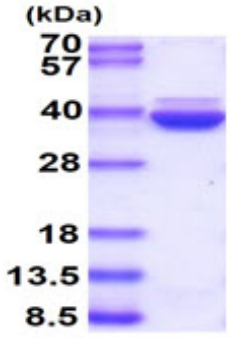
MGSSHHHHHH SSGLVPRGSH MAWWKSWIEQ EGVTVKSSSH FNPDPDAETL YKAMKGIGTN EQAIIDVLTK RSNTQRQQIA KSFKAQFGKD LTETLKSELS GKFERLIVAL MYPPYRYEAK ELHDAMKGLG TKEGVIIEIL ASRTKNQLRE IMKAYEEDYG SSLEEDIQAD TSGYLERILV CLLQGSRDDV SSFVDPGLAL QDAQDLYAAG EKIRGTDEMK FITILCTRSA THLLRVFEEY EKIANKSIED SIKSETHGSL EEAMLTVVKC TQNLHSYFAE RLYYAMKGAG TRDGTLIRNI VSRSEIDLNL IKCHFKKMYG 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.