



Catalog Number: PR27217

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SSSLVPRGSH MAWWKSWIEQ EGVTVKSSSH FNPDPDAETL YKAMKGIGTN
EQAIIDVLTK RSNTQRQQIA KSFKAQFGKD LTETLKSELS GKFERLIVAL MYPPYRYEAK
ELHDAMKGLG TKEGVIIIL ASRTKNQLRE IMKAYEEDYG SSLEEDIQAD TSGYLERILV
CLLQGSRDDV SSFVDPGLAL QDAQDLYAAG EKIRGTDEMK FITILCTRSA THLLRVFEEY
EKIANKSIED SIKSETHGSL EEAMLTVVKC TQNLHSYFAE RLYYAMKGAG TRDGLIRNI
VSRSEIDLNL IKCHFCKMYG KTLSSMIMED TSGDYKNALL SLVGSDP.

Description/Molecular Mass: ANXA8 is part of the annexin family of evolutionarily conserved Ca²⁺ and phospholipid binding proteins. ANXA8 is an anticoagulant protein that functions as an indirect inhibitor of the thromboplastin-specific complex, which takes part in the blood coagulation cascade. Where co-expressed in the same tissues, ANXA8 is expressed at a 100-fold lower level than Annexin A5. Though, ANXA8 is preferentially expressed in acute promyelocytic leukemia (APL) cells which suggests its involvement in hematopoietic cell differentiation.

ANXA8 Human Recombinant produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 347 amino acids (1-327 a.a.) and having a total molecular mass of 39 kDa. ANXA8 is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatography techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: The ANXA8 1mg/ml protein solution contains 20mM Tris-HCL pH-8, 1mM DTT, 1mM EDTA, 0.1M NaCl and 10% Glycerol.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

FOR RESEARCH USE ONLY

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