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Datasheet for ABIN1096026
Annexin VIII Protein (AA 1-327)

Overview

Quantity:	50 µg
Target:	Annexin VIII (ANXA8)
Protein Characteristics:	AA 1-327
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Annexin A8/ANXA8
Sequence:	MAWWKSWIEQ EGVTVKSSSH FNPDPDAETL YKAMKGIGTN EQAIIDVLTK RSNTQRQQIA KSFKAQFGKD LTETLKSELS GKFERLIVAL MYPPYRYEAK ELHDAMKGLG TKEGVIIIL ASRTKNQLRE IMKAYEEDYG SSLEEDIQAD TSGYLERILV CLLQGSRDDV SSFVDPALAL QDAQDLYAAG EKIRGTDEMK FITILCTRSA THLLRVFEEY EKIANKSIED SIKSETHGSL EEAMLTVVKC TQNLHSYFAE RLYYAMKGAG TRDGTLRINI VSRSEIDLNL IKCHFKKMYG KTLSSMIMED TSGDYKNALL SLVGSDP
Characteristics:	Recombinant Human Annexin A8/ANXA8 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Pro327) of Human ANXA8.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Annexin VIII (ANXA8)
Alternative Name:	annexin-a8 (ANXA8 Products)
Background:	<p>Annexin A8 (ANXA8) belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Annexin A8 contains 4 annexin repeats separated by linking sequences of variable lengths. A pair of annexin repeats may form one binding site for calcium and phospholipid. ANXA8 is preferentially expressed in acute promyelocytic leukemia (APL) cells, which suggests its participation in hematopoietic cell differentiation. In addition, ANXA8 is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.</p> <p>Alternative Names: Annexin A8, Annexin VIII, Annexin-8, Vascular Anticoagulant-Beta, VAC-Beta, ANXA8, ANX8</p>
Molecular Weight:	36.9 kDa
UniProt:	P13928

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months