

Annexin A8/ANXA8 Protein, Human

Cat. No.:	HY-P7520
Synonyms:	rHuAnnexin A8; ANXA8; Annexin A8
Species:	Human
Source:	E. coli
Accession:	P13928 (M1-P327)
Gene ID:	653145
Molecular Weight:	Approximately 36.0 kDa

PROPERTIES

AA Sequence

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MAWWKSWIEQ   EGVTVKSSSH   FNPDPDAETL   YKAMKGI GTN
EQAIIDVLTKE   RSNTQRQQIA   KSFKAQFGKD   LTETLKSELS
GKFERLIVAL   MYPPYRYEAK   ELHDAMKGLG   TKEGVII EIL
ASRTKNQLRE   IMKAYEEDYG   SSLEEDIQAD   TSGYLERILV
CLLQGSRDDV   SSFVDPGLAL   QDAQDLYAAG   EKIRGTDEMK
FITILCTRSA   THLLRVFEEY   EKIANKSIED   SIKSETHGSL
EEAMLTVVKC   TQNLHSYFAE   RLYYAMKGAG   TRDGTLIRNI
VSRSEIDLNL   IKCHFCKMYG   KTLSSMIMED   TSGDYKNALL
SLVGS D P
  
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Appearance

Lyophilized powder.

Formulation

Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.4.

Endotoxin Level

<1 EU/μg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The Annexins comprise a family of proteins that are involved in many aspects of cellular membrane dynamics and the regulation of membrane-associated 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. Annexin A8 is expressed in many types of malignant tumors, such as acute promyelocytic leukemia, cholangiocarcinoma, breast cancer, and pancreatic cancer^[1].

REFERENCES

[1]. Rui Gou, et al. Annexin A8 can serve as potential prognostic biomarker and therapeutic target for ovarian cancer: based on the comprehensive analysis of Annexins. *J Transl Med.* 2019 Sep 2;17(1):275

[2]. Nicole Heitzig, et al. Annexin A8 promotes VEGF-A driven endothelial cell sprouting. *Cell Adh Migr.* 2017 May 4;11(3):275-287.

Caution: Product has not been fully validated for medical applications. For research use only.

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