

Animal-Free Annexin A5/ANXA5 Protein, Human (His)

Cat. No.:	HY-P700015AF
Synonyms:	ANXA5; ANX5; ENX2; HEL-S-7; PP4; RPRGL3
Species:	Human
Source:	E. coli
Accession:	P08758 (M1-D320)
Gene ID:	308
Molecular Weight:	Approximately 36.75 kDa

PROPERTIES

AA Sequence	<pre> MAQVLRGTVT DFPGFDERAD AETLRKAMKG LGTDEESILT LLTSRSNAQR QEISAAFKTL FGRDLLDDLK SELTGKFEKL IVALMKPSRL YDAYELKHAL KGAGTNEKVL TEIIASRTP E ELRAIKQVYE E EYGSSLEDD VVGDTSGYYQ RMLVVLLQAN RDPDAGIDEA QVEQDAQALF QAGELKWGTD EEKFITIFGT RSVSHLRKVF DKYMTISGFQ IEETIDRETS GNLEQLLLAV VKSIRSI PAY LAETLYYAMK GAGTDDHTLI RVMVSRSEID LFNIRKEFRK NFATSLYSMI KGDTSGDYKK ALLLLCGEDD </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
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	Annexin A5 (ANXA5) protein functions as an anticoagulant, serving as an indirect inhibitor of the thromboplastin-specific complex crucial in the blood coagulation cascade. Structurally, ANXA5 exists as a monomer, and its role extends beyond coagulation regulation. It exhibits binding interactions with ATRX and EIF5B, suggesting involvement in diverse cellular processes. Notably, ANXA5 interacts with the hepatitis B virus (HBV), indicating a potential role in viral interactions. The multifaceted attributes of ANXA5 underscore its significance in cellular regulation, offering potential insights into both
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hemostasis and its involvement in interactions with viral pathogens such as HBV.

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

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