

Annexin A5/ANXA5 Protein, Mouse (His, Myc)

Cat. No.:	HY-P702573
Synonyms:	ANXA5; Annexin A5
Species:	Mouse
Source:	E. coli
Accession:	P48036 (A2-D319)
Gene ID:	11747
Molecular Weight:	43.2 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 μ m filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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 serves as an anticoagulant, acting as an indirect inhibitor of the thromboplastin-specific complex crucial in the blood coagulation cascade. Structurally, it exists as a monomer, and in its functional capacity, ANXA5 plays a pivotal role in regulating key components of the coagulation pathway, thereby influencing the delicate balance between procoagulant and anticoagulant factors. Additionally, ANXA5 exhibits binding interactions with ATRX and EIF5B, suggesting its involvement in diverse cellular processes beyond its role in coagulation. These multifaceted attributes underscore the significance of ANXA5 in cellular regulation and its potential implications in both hemostasis and broader cellular functions.
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Caution: Product has not been fully validated for medical applications. For research use only.

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