

## Annexin A4/ANXA4 Protein, Mouse (His-Myc)

Cat. No.:	HY-P72079
Synonyms:	Anxa4; Anx4Annexin A4; Annexin IV; Annexin-4
Species:	Mouse
Source:	E. coli
Accession:	P97429 (E2-D319)
Gene ID:	11746
Molecular Weight:	Approximately 40.8 kDa

### PROPERTIES

AA Sequence	<div> E A K G G T V K A A    S G F N A T E D A Q    T L R K A M K G L G    T D E D A I I G I L  A Y R N T A Q R Q E    I R S A Y K S T I G    R D L I E D L K S E    L S S N F E Q V I L  G L M T P T V L Y D    V Q E L R R A M K G    A G T D E G C L I E    I L A S R T P E E I  R R I N Q T Y Q Q Q    Y G R S L E E D I C    S D T S F M F Q R V    L V S L S A A G R D  E G N Y L D D A L M    K Q D A Q E L Y E A    G E K R W G T D E V    K F L S I L C S R N  R N H L L H V F D E    Y K R I S Q K D I E    Q S I K S E T S G S    F E D A L L A I V K  C M R S K P S Y F A    E R L Y K S M K G L    G T D D N T L I R V    M V S R A E I D M L  D I R A S F K R L Y    G K S L Y S F I K G    D T S G D Y R K V L    L V L C G G D D </div>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
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 ddH <sub>2</sub> 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 A4 (ANXA4) is a calcium/phospholipid-binding protein known for its crucial role in membrane fusion and participation in exocytosis. Functioning as a mediator between calcium signaling and membrane dynamics, ANXA4 contributes to cellular processes involved in the release of cellular contents. Its ability to bind to both calcium ions and phospholipids suggests a regulatory role in membrane-related events, particularly those associated with vesicle trafficking and exocytosis. It has to highlight ANXA4's significance in calcium-dependent cellular mechanisms, emphasizing its
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involvement in promoting membrane fusion and facilitating exocytotic processes.

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

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