

## Annexin A3/ANXA3 Protein, Human

Cat. No.:	HY-P7516
Synonyms:	rHuAnnexin A3; ANXA3; Annexin A3
Species:	Human
Source:	E. coli
Accession:	P12429 (M1-D323)
Gene ID:	306
Molecular Weight:	Approximately 33.0 kDa

### PROPERTIES

AA Sequence	<pre> M A S I W V G H R G   T V R D Y P D F S P   S V D A E A I Q K A   I R G I G T D E K M L I S I L T E R S N   A Q R Q L I V K E Y   Q A A Y G K E L K D   D L K G D L S G H F E H L M V A L V T P   P A V F D A K Q L K   K S M K G A G T N E   D A L I E I L T T R T S R Q M K D I S Q   A Y Y T V Y K K S L   G D D I S S E T S G   D F R K A L L T L A D G R R D E S L K V   D E H L A K Q D A Q   I L Y K A G E N R W   G T D E D K F T E I L C L R S F P Q L K   L T F D E Y R N I S   Q K D I V D S I K G   E L S G H F E D L L L A I V N C V R N T   P A F L A E R L H R   A L K G I G T D E F   T L N R I M V S R S E I D L L D I R T E   F K K H Y G Y S L Y   S A I K S D T S G D   Y E I T L L K I C G G D D </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, 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 ddH <sub>2</sub> O. 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	<p>The Annexins comprise a family of proteins that are involved in many aspects of cellular membrane dynamics and the regulation of membrane-associated proteins.</p> <p>Annexin A3, also known as Annexin III and Lipocortin III (LPC3), is a calcium-dependent phospholipid-binding protein being</p>
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preferentially located on the cytosolic face of the plasma membrane. Human Annexin A3 shares 89% and 85% aa sequence identity with mouse and rat Annexin A3, respectively<sup>[1][2]</sup>.

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## REFERENCES

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- [1]. Man Tong, et al. Efficacy of annexin A3 blockade in sensitizing hepatocellular carcinoma to sorafenib and regorafenib. *J Hepatol.* 2018 Oct;69(4):826-839.
- [2]. Juan Wang, et al. Annexin A3 may play an important role in ochratoxin-induced malignant transformation of human gastric epithelium cells. *Toxicol Lett.* 2019 Oct 1;313:150-158.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA