

Annexin A13/ANXA13 Protein, Human

Cat. No.:	HY-P7514
Synonyms:	rHuAnnexin A13; ANXA13; Annexin A13
Species:	Human
Source:	E. coli
Accession:	P27216 (G2-H316)
Gene ID:	312
Molecular Weight:	Approximately 33.0 kDa

PROPERTIES

AA Sequence	<pre> GNRHAKASSP QGFVDVDRDAK KLNKACKGMG TNEAAIIIEIL SGRTSDERQQ IKQKYKATYG KELEEVLKSE LSGNFEKTAL ALLDRPSEYA ARQLQKAMKG LGTDESVLIE VLCSTRTNKEI IAIKEAYQRL FDRSLES DVK GDTSGNLKKI LVSLLQANRN EGDDVDKDLA GQDAKDLYDA GEGRWGTDEL AFNEVLAKRS YKQLRATFQA YQILIGKDIE EAIEEETS GD LQKAYLTLVR CAQDCEDYFA ERLYKSMKGA GTDEETLIRI VVTRA EVDLQ GIKAKFQEKY QKSLSDMVRS DTS GDFRKL L VALLH </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 100 mM NaCl, 10% Glycerol, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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>ANX A13 is a calcium-dependent phospholipid-binding protein being preferentially located on the cytosolic face of the plasma membrane. Annexin A13 plays a role in cytoskeletal interactions, phospholipase inhibition, regulation of cellular growth, and intracellular signal transduction pathways.</p>
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Human Annexin A13 shares approximately 86% and 91% aa sequence identity with mouse and dog Annexin A13.

REFERENCES

- [1]. Guozhong Jiang, et al. Annexin A13 promotes tumor cell invasion in vitro and is associated with metastasis in human colorectal cancer. *Oncotarget*. 2017 Mar 28;8(13):21663-21673.
- [2]. Volker Gerke, et al. Annexins: from structure to function. *Physiol Rev*. 2002 Apr;82(2):331-71.
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Caution: Product has not been fully validated for medical applications. For research use only.

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