

Product datasheet

Recombinant human Annexin V/ANXA5 protein (Phycoerythrin) ab157016

Overview

Product name	Recombinant human Annexin V/ANXA5 protein (Phycoerythrin)
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P08758
Species	Human
Sequence	<p>MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEE SILTLLTSRSNAQR QEISAAFKTLFGRDLLDDLKSELTGKFEKLIVALMKPSR LYDAYELKHAL KGAGTNEKVLTEIIASRTPEELRAIKQVYEEYGGSSLED DVVGDTSGYYQ RMLVLLQANRDPDAGIDEAQVEQDAQALFQAGELK WGTDEEKFITIFGT RSVSHLRKVFDKYMTISGFQIEETIDRETSGNLEQLLLA VVKIRSIPAY LAETLYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFR KNFATSLYSMIKGDTS GDYKALLLLCGEDD</p>
Molecular weight	36 kDa
Amino acids	1 to 320
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm

Specifications

Our [Abpromise guarantee](#) covers the use of **ab157016** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Flow Cytometry
	SDS-PAGE

	HPLC
Purity	70 - 90% by HPLC. ab157016 was determined to be >85% pure by SDS-PAGE and HPLC.
Form	Liquid
Additional notes	ab157016 can be used for detection of apoptotic cells by flow cytometry. It is suitable for dual staining experiments to detect phosphatidylserine whilst cell-surface protein can be detected with a suitable secondary antibody. This product was previously labelled as Annexin V

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark. pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.61% Tris, 0.58% Sodium chloride, 1% BSA This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
Involvement in disease	Pregnancy loss, recurrent, 3
Sequence similarities	Belongs to the annexin family. Contains 4 annexin repeats.
Domain	The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex. A pair of annexin repeats may form one binding site for calcium and phospholipid.
Post-translational modifications	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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