

Recombinant human Annexin V/ANXA5 protein (PE) ab157016

Description

Product name	Recombinant human Annexin V/ANXA5 protein (PE)
Biological activity	Binds to phosphatidylserine (PS). Exhibits anti-phospholipase activity.
Purity	>= 89 % HPLC. ab157016 was determined to be >= 89% pure by SDS-PAGE and HPLC.
Expression system	Escherichia coli
Accession	<u>P08758</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILT LLTSRSNAQR QEISAAFKTLFGRDLLDDLKSELTKGFEKLVALMKPSRLY DAYELKHAL KGAGTNEKVLTEIASRTPEELRAIKQVYEEYGGSSLEDDV VGDTSGYYQ RMLVVLLQANRDPDAGIDEAQVEQDAQALFQAGELKWG TDEEKFITIFGT RSVSHLRKVFDDKYMTISGFQIEETIDRETSGNLEQLLLAVV KSIRSIPAY LAETLYYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFRKN FATSLYSMIKGDTS GDYKKALLLLCGEDD
Predicted molecular weight	36 kDa
Amino acids	1 to 320
Conjugation	PE. 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
Form	Liquid
Additional notes	<p>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.</p> <p>This product was previously labelled as Annexin V</p>

Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 0.61% Tris, 0.58% Sodium chloride, 1% BSA</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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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	<p>Belongs to the annexin family.</p> <p>Contains 4 annexin repeats.</p>
Domain	<p>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.</p> <p>A pair of annexin repeats may form one binding site for calcium and phospholipid.</p>
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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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