

Product datasheet

Recombinant Human Annexin V/ANXA5 protein (His tag) ab157342

1 Image

Description

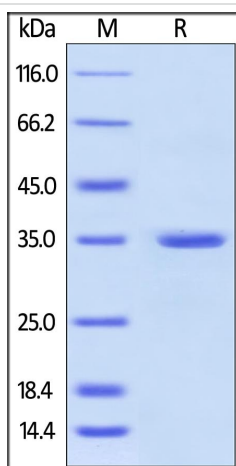
Product name	Recombinant Human Annexin V/ANXA5 protein (His tag)		
Purity	> 98 % SDS-PAGE. ab157342 is lyophilized from 0.22 µm filtered solution.		
Endotoxin level	< 1.000 Eu/µg		
Expression system	Escherichia coli		
Accession	<b>P08758</b>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILT LLTSRSNAQR QEISAAFKTLFGRDLLDLKSELTGKFEKLVALMKPSRLY DAYELKHAL KGAGTNEKVLTEIASRTPEELRAIKQVYEEYGSSEDDV VGDTSGYYQ RMLVVLLQANRDPDAGIDEAQVEQDAQALFQAGELKWG TDEEKFITFGT RSVSHLRKVFDKYMTISGFQIEETIDRETSGNLEQLLAVV KSIRSIPAY LAETLYYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFRKN FATSLYSMIKGDTSGDYKKALLLCGEDD		
Predicted molecular weight	37 kDa including tags		
Amino acids	1 to 320		
Tags	His tag C-Terminus		

Specifications

Our **Abpromise guarantee** covers the use of **ab157342** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	<p>This product was previously labelled as Annexin V.</p> <p>This product is stable after storage at:</p> <p>-20 °C to -70 °C for 12 months in lyophilized state;</p> <p>-70 °C for 3 months under sterile conditions after reconstitution.</p>
<b>Preparation and Storage</b>	
<b>Stability and Storage</b>	<p>Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.40</p> <p>Constituent: PBS</p> <p>5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%.</p>
<b>Reconstitution</b>	Reconstitute with sterile deionized water to a concentration of 400 µg/ml.
<b>General Info</b>	
<b>Function</b>	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.
<b>Involvement in disease</b>	Pregnancy loss, recurrent, 3
<b>Sequence similarities</b>	<p>Belongs to the annexin family.</p> <p>Contains 4 annexin repeats.</p>
<b>Domain</b>	<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>
<b>Post-translational modifications</b>	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.
<b>Images</b>	



SDS-PAGE analysis of reduced ab157342 stained overnight with Coomassie Blue. The protein migrates as 35 kDa under reducing conditions.

SDS-PAGE - Recombinant Human Annexin  
V/ANXA5 protein (His tag) (ab157342)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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