

## Product datasheet

# Recombinant Human Annexin V/ANXA5 protein ab255714

[2 Images](#)

### Description

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<b>Product name</b>	Recombinant Human Annexin V/ANXA5 protein
<b>Purity</b>	> 98 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P08758</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILT LLTSRSNAQR QEISAAFKTLFGRDLLDLKSELTKGFEKLMALMKPSRLY DAYELKHAL KGAGTNEKVLTEIIASRTPEELRAIKQVYEEYGGSSLEDDV VGDTSGYYQ RMLVLLQANRDPDAGIDEAQVEQDAQALFQAGELKWG TDEEKFITFGT RSVSHLRKVFDKYMTISGFQIEETIDRETSGNLEQLLAVV KSIRSIPAY LAETLYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFRKN FATSLYSMIKGDTSGDYKKALLLLCGEDD
<b>Predicted molecular weight</b>	35 kDa
<b>Amino acids</b>	1 to 320

### Specifications

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Our **Abpromise guarantee** covers the use of **ab255714** 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

**Additional notes**

This product is manufactured by BioVision, an Abcam company and was previously called 1005 Annexin V, human recombinant. 1005-1000 is the same size as the 1 mg size of ab255714.

**Preparation and Storage**

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**Stability and Storage**

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.

Constituent: Water

**Reconstitution**

Reconstitute in water or PBS to a final concentration of 1-5 mg/mL.

**General Info**

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**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.

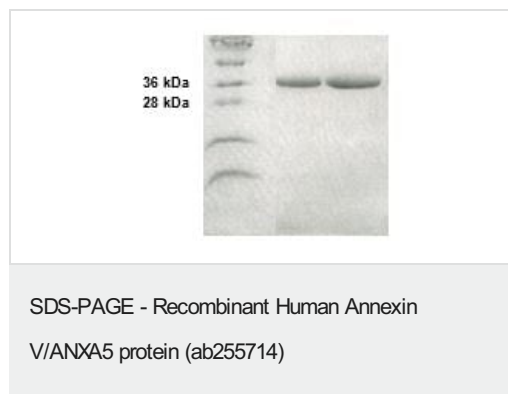
**Post-translational modifications**

S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

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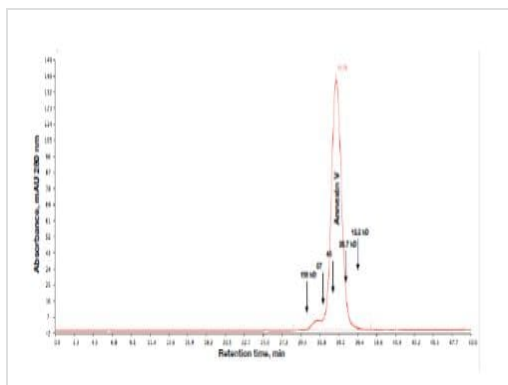
**Images**

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SDS-PAGE - Recombinant Human Annexin V/ANXA5 protein (ab255714).

Analytical size exclusion chromatography of ab255714.



Size Exclusion Chromatography - Recombinant  
Human Annexin V/ANXA5 protein (ab255714)

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

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