

# Recombinant Full Length Human ANXA5 Protein, GST-tagged

**Cat. No.** ANXA5-1521HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Human ANXA5 full-length ORF ( AAH01429, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 320 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. The gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 60.94 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MAQVLRGTVT DFPGFDERAD AETLRKAMKG LGTDEESILT LLTSRSNAQR<br>QEISAAFKTL FGRDLLDDLK SELTGKFEKL IVALMKPSRL YDAYELKHAL<br>KGAGTNEKVL TEIIASRTPE ELRAIKQVYE EEYGSSLEDD VVGDTSGYYQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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RMLVVLLQAN RDPDAGIDEA QVEQDAQALF QAGELKWGTD EEKFITIFGT  
 RSVSHLRKVF DKYMTISGFQ IEETIDRETS GNLEQLLLAV VKSIRSIPAY  
 LAETLYYAMK GAGTDDHTLI RVMVSRSEID LFNIRKEFRK NFATSLYSMI  
 KGDTSGDYKK ALLLLCGEDD

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[ANXA5 annexin A5 \[ Homo sapiens \]](#)

**Official Symbol**

[ANXA5](#)

**Synonyms**

ANXA5; annexin A5; ANX5, ENX2; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5;  
 anchorin CII; endonexin II; lipocortin V; calphobindin I; thromboplastin inhibitor;  
 vascular anticoagulant-alpha; placental anticoagulant protein 4; placental  
 anticoagulant protein I; PP4; ANX5; ENX2

**Gene ID**

[308](#)

**mRNA Refseq**

[NM\\_001154](#)

**Protein Refseq**

[NP\\_001145](#)

**MIM**

[131230](#)

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UniProt ID

P08758

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