

## Recombinant Human Annexin A5, FITC

Cat. No. ANXA5-2625H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Annexin A5-FITC is expressed in <i>E. coli</i> .
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>Annexin 5 is a member of the annexin family of calcium-dependent phospholipid binding proteins. 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. In vitro studies have shown that Annexin 5 is a cellular protein which plays a role in the inhibition of blood coagulation by competing for phosphatidylserine binding sites with prothrombin. Through affinity assays Annexin 5 has been localized on cells that expressed phosphatidylserine on the cell surface, a feature found in apoptosis as well as other forms of cell death.</p>
<b>Purity</b>	>98% pure as demonstrated by SDS-gel electrophoresis and reverse phase HPLC.
<b>Molecular Weight</b>	35.8 kDa.
<b>Presentation</b>	Solution containing 50 mM TRIS, 100 mM NaCl, 1% BSA, 0.02% Sodium Azide, pH 7.4.
<b>Biological Activity</b>	Annexin V exhibits anti-phospholipase activity and binds to phosphatidylserine (PS).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Application</b>	FITC labelling allows simple direct detection of PS by FACS analysis. Counterstaining by propidium iodide allows the discrimination of apoptotic cells.
<b>Storage</b>	Stable at 2°-8°C as indicated on the label. Do not freeze!
<b>Conjugation</b>	FITC

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANXA5 annexin A5 [ Homo sapiens ]</a>
<b>Synonyms</b>	ANXA5; annexin A5; PP4; ANX5; ENX2; anchorin CII; endonexin II; lipocortin V; placental anticoagulant protein I; Annexin-5; Annexin V; Lipocortin V; Endonexin II; Calphobindin I; Placental anticoagulant protein I; Placental anticoagulant protein 4; Thromboplastin inhibitor; Vascular anticoagulant-alpha; VAC-alpha; CBP-I; PAP-I
<b>Gene ID</b>	<a href="#">308</a>
<b>mRNA Refseq</b>	<a href="#">NM_001154</a>
<b>Protein Refseq</b>	<a href="#">NP_001145</a>
<b>MIM</b>	<a href="#">131230</a>
<b>UniProt ID</b>	<a href="#">P08758</a>
<b>Chromosome Location</b>	4q27
<b>Function</b>	calcium ion binding; calcium-dependent phospholipid binding; eukaryotic cell surface binding; phospholipase inhibitor activity; protein binding; receptor tyrosine kinase

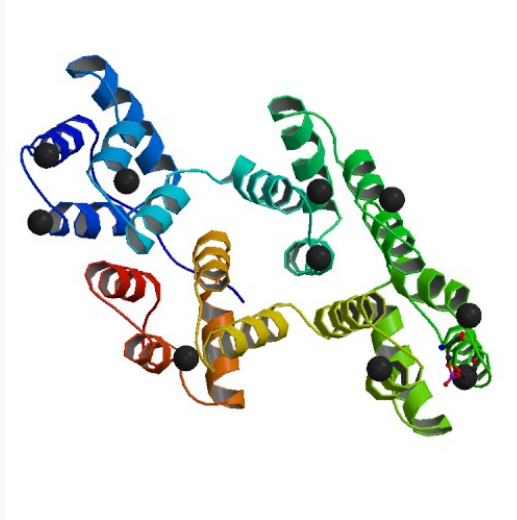
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binding

PDB rendering based  
on 1a8a.



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