



## Product Datasheet

<b>Product Name</b>	Annexin 9 Human Recombinant
<b>Cata No</b>	CB501067
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Annexin A9, Annexin-9, Annexin-31, Annexin XXXI, Pemphaxin, ANXA9, ANX31.

### Description

The annexins are a family of calcium-dependent phospholipid-binding proteins. Members of the annexin family contain 4 internal repeat domains, each of which includes a type II calcium-binding site. The calcium-binding sites are required for annexins to aggregate and cooperatively bind anionic phospholipids and extracellular matrix proteins. The most striking feature of annexin 31 is a complete ablation of all four homologous type II calcium-binding sites in the conserved tetrad core. Although all 4 type II calcium-binding sites in annexin 31 contained amino acid substitutions that ablated their function, structural analysis suggests that the conserved putative ion channel formed by the tetrad core is intact.

ANXA-9 Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing amino acids (1-338) and having a total molecular mass of 38.9 kDa.

ANXA9 contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Formulation

Annexin-9 at a concentration of 0.1mg containing 10mM Tris, pH 8.0, 0.1% Triton X-100 and 0.002% NaN<sub>3</sub>.

### Stability

Annexin-9 although stable at 4°C for 1 week, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Applications

- ELISA
- MS
- Western Blotting