

## ANXA9 Human

**Description:**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.

**Catalog #:**PRPS-457

For research use only.

**Synonyms:**Annexin A9, Annexin-9, Annexin-31, Annexin XXXI, Pemphaxin, ANXA9, ANX31.

**Source:**Escherichia Coli.

**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% Na<sub>3</sub>N.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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