

## Recombinant Human Annexin A9, T7-tagged

Cat. No. ANXA9-69H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human annexin 9 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. rhANXA9 contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.

**Species** Human

**Source** E.coli

**ProteinLength** 1-338 a.a.

**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.

**Physical Appearance** Sterile Filtered clear solution.

**Purity** Greater than 95.0% as determined by the analysis by reducing and non-reducing SDS-PAGE coomassie blue staining.

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<b>Formulation</b>	Recombinant Human Annexin-9 at a concentration of 0.1mg containing 10 mM Tris, pH 8.0, 0.1% Triton X-100 and 0.002% NaN <sub>3</sub> .
<b>Applications</b>	•ELISA • MS• Western Blotting.
<b>Storage</b>	RhAnnexin-9 although stable at 14°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.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANXA9 annexin A9 [ Homo sapiens ]</a>
<b>Synonyms</b>	ANXA9; annexin A9; ANX31;Annexin A9; Annexin-9; Annexin-31; Annexin XXXI; OTTHUMP00000033027; Pemphaxin
<b>Gene ID</b>	<a href="#">8416</a>
<b>mRNA Refseq</b>	<a href="#">NM_003568</a>
<b>Protein Refseq</b>	<a href="#">NP_003559</a>
<b>MIM</b>	<a href="#">603319</a>
<b>UniProt ID</b>	<a href="#">O76027</a>
<b>Chromosome Location</b>	1q21
<b>Function</b>	calcium ion binding; calcium-dependent phospholipid binding; acetylcholine receptor activity; phosphatidylserine binding; protein homodimerization activity

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