

Recombinant Human Annexin A9, T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human annexin 9 produced in <i>E.coli</i> 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
Protein Length	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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Formulation	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 ₃ .
Applications	•ELISA • MS• Western Blotting.
Storage	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

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

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