

Recombinant Human ANXA9 protein, His/GST-tagged

Cat. No. ANXA9-5262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANXA9(Met1~Met345) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Met345
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. This gene encodes a divergent member of the annexin protein family in which all four homologous type II calcium-binding sites in the conserved tetrad core contain amino acid substitutions that ablate their function. However, structural analysis suggests that the conserved putative ion channel formed by the tetrad core is intact.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	68.4kDa
AA Sequence	MSVTGGKMAP SLTQEILSHL GLASKTAAWG TLGTLRTFLN FSVDKDAQRL LRAITGQGVD RSAIVDVLTN RSREQRQLIS RNFQERTQQD LMKSLQAALS

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GNLERIVMAL LQPTAQFDAQ ELRTALKASD SAVDVAIEIL ATRTPPQLQE
 CLAVYKHNFQ VEA/DDITSE TSGILQDLLL ALAKGGRDSY SGIIDYNLAE
 QDVQALQRAE GPSREETWVP VFTQRNPEHL IRVFDQYQRS TGQELEEAVQ
 NRFHGDAQVA LLGLASVIKN TPLYFADKLH QALQETEPNY QVLIRILISR
 CETDLLSIRA EFRKKFGKSL YSSLQDAVKG DCQSALLALC RAEDM

Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ANXA9 annexin A9 [Homo sapiens]
Official Symbol	ANXA9
Synonyms	ANXA9; annexin A9; ANX31; annexin-9; pemphaxin; annexin 31; annexin-31; annexin XXXI;
Gene ID	8416
mRNA Refseq	NM_003568
Protein Refseq	NP_003559

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MIM	603319
UniProt ID	O76027
Chromosome Location	1q21.2
Function	acetylcholine receptor activity; calcium ion binding; calcium-dependent phospholipid binding; phosphatidylserine binding; phospholipid binding; protein homodimerization activity;

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