

Recombinant Human Annexin A1, T7-tagged

Cat. No. ANXA1-5277H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HumanANXA1 (aa 1-346) was expressed in E. coli including a His tag. Its molecularweight is 41430 Dalton.
Species	Human
Source	E.coli
ProteinLength	1-346 a.a.
Description	ANXA1 belongs to a familyof Ca(2+)-dependent phospholipid binding proteins which have a molecularweight of approximately 35,000 to 40,000 and are preferentially located onthe cytosolic face of the plasma membrane. ANXA1 protein has an apparentrelative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity.Since phospholipase A2 is required for the biosynthesis of the potentmediators of inflammation, prostaglandins and leukotrienes, ANXA1 may havepotential anti-inflammatory activity.
Form	Liquid in 20 mMTris-HCl + 0.5 M NaCl + 100 mM imidazole + 1 mM 2-mercaptoethanol, pH 8.
Molecular Weight	41.43 kDa
Applications	ELISA; Western Blot;Antibody Production; Protein array
OfficialSymbol	ANXA1

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GENE INFORMATION

Gene Name	ANXA1 annexin A1 [Homosapiens]
Synonyms	ANXA1; annexin A1; ANX1; LPC1; Annexin A1; Annexin-1; Annexin I; Lipocortin I; Calpactin II; Chromobindin-9; p35; Phospholipase A2 inhibitory protein; OTTHUMP00000021475; OTTHUMP00000021474; annexin A1; annexin I (lipocortin I); annexin-1; calpactin-2; lipocortin I; chromobindin-9; phospholipase A2 inhibitory protein; annexin A1; Calpactin-2
Gene ID	301
mRNA Refseq	NM_000700
Protein Refseq	NP_000691
MIM	151690
UniProt ID	P04083
Chromosome Location	9q12-q21.2; 9q21.13
Pathway	Class A/1 (Rhodopsin-like receptors); Formyl peptide receptors bind formyl peptides and many other ligands; G alpha (i) signalling events; G alpha (q) signalling events; GPCR downstream signaling; GPCR ligand binding; Peptide ligand-binding receptors; Prostaglandin Synthesis and Regulation; Signal Transduction; Signaling by GPCR
Function	calcium ion binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity; phospholipase inhibitor activity; protein binding, bridging; receptor binding; structural molecule activity; phospholipid binding; protein binding; protein

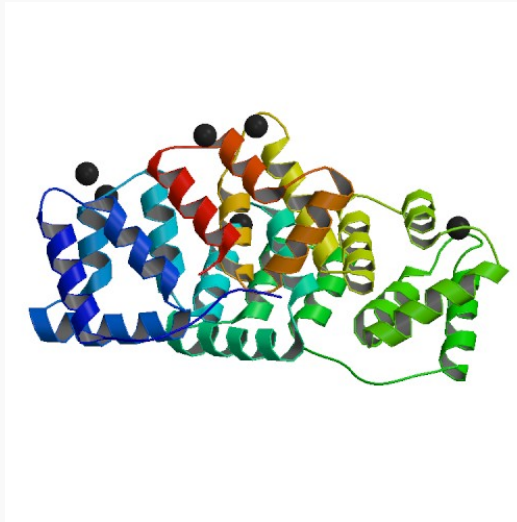
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homodimerization activity; single-strandedDNA binding; single-stranded RNA binding

PDB rendering
based on 1ain.



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