

Recombinant Human Annexin A2, His-tagged

Cat. No. ANXA2-1845H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Annexin A2 protein produced in <i>E.coli</i> was recombined with His tag at the N Terminus. It was purified by using conventional chromatography techniques, 42.8 kDa (376aa).
Species	Human
Source	E.coli
Description	Annexin A2 belongs to a family of calcium-dependent membrane and phospholipid binding proteins. It plays a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption.
Purity	> 95% by SDS - PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMST VHEILCKLSL EGDHSTPPSA YGSVKAYTNF DAERDALNIE TAIKTKGVDEVTIVNILTNR SNAQRQDIAF AYQRRTKKEL ASALKSALSG HLETVILGLL KTPAQYDASE LKASMKGLGT DEDSLIEIC SRTNQELQEINRVYKEMYKT DLEKDIISDT SGDFRKL MVA LAKGRRAEDG SVIDYELIDQ DARDLYDAGV KRKGTDV PKW ISIMTERSVP HLQKVFD RYKSYSPYD MLES IRKEVKGDLE NAFLNLVQCI

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QNKPLYFADR LYDSMKGKGT RDKVLIRIMV SRSEVDMLKI RSEFKRKYGK
SLYYYIQQDTKGDYQKALLY LCGGDD.

Stability

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[ANXA2 annexin A2 \[Homo sapiens \]](#)

Synonyms

annexin A2; P36; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV; ANXA2; annexin-2; protein I; annexin II; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV; Annexin II; Lipocortin II; Placental anticoagulant protein IV; Chromobindin-8; Annexin-2; Protein I; Calpactin I heavy chain

Gene ID

[302](#)

mRNA Refseq

[NM_001002857.1](#)

Protein Refseq

[NP_001002857.1](#)

MIM

[151740](#)

UniProt ID

P07355

**Chromosome
Location**

15q21-q22

Function

Rab GTPase binding; calcium ion binding; calcium-dependent phospholipid binding; cytoskeletal protein binding; phosphatidylinositol-4,5-bisphosphate binding;

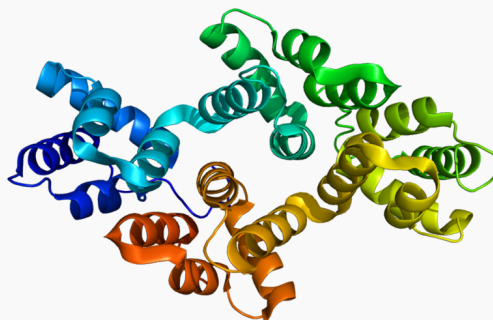
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phospholipase inhibitor activity; protein binding

PDB rendering based
on 1w7b.



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