

Product datasheet for **AR09353PU-L**

Annexin A2 / ANXA2 (1-339, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Annexin A2 / ANXA2 (1-339, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> <u>GMASMTGGQQ</u> <u>MGRDLYDDDD</u> <u>KDRWGSHMST</u> VHEILCKLSL EGDHSTPPSA YGSVKAYTNF DAERDALNIE TAIKTKGVDE VTIVNILTNR SNAQRQDI AFAYQRRTKKEL ASALKSALS G HLETVILGLL KTPAQYDASE LKASMKGLGT DEDSLIEIC SRTNQELQEI NRVYKEMYKT DLEKDIISDT SGDFRKL MVA LAKGRR AEDG SVIDYELIDQ DARDLYDAGV KRKGTDV PKW ISIMTERSVP HLQKVFDRYK SYSPYD MLES IRKEVKG DLE NAFLNLVQCI QNKPLYFADR LYDSMKGKGT RDKVLIRIMV SRSEVDMLKI RSEFKRKYGK SLYYYIQQDT KGDYQKALLY LCGGDD
Tag:	His-tag
Predicted MW:	42.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant Annexin A2 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001002857</u>
Locus ID:	302
UniProt ID:	<u>P07355</u> , <u>A0A024R5Z7</u>
Cytogenetics:	15q22.2
Synonyms:	ANX2; ANX2L4; CAL1H; HEL-S-270; LIP2; LPC2; LPC2D; P36; PAP-IV



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Summary:

This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play 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. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. Annexin A2 expression has been found to correlate with resistance to treatment against various cancer forms. [provided by RefSeq, Dec 2019]

Protein Families:

Druggable Genome, Secreted Protein, Stem cell - Pluripotency

Product images: