

## Product datasheet for **AR05243PU-S**

### Annexin A5 / ANXA5 Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Annexin A5 / ANXA5 human recombinant protein, 30 µg
Species:	Human
Concentration:	lot specific
Purity:	>98% by SDS PAGE/HPLC analysis
Buffer:	State: Lyophilised purified protein Buffer System: 20mM Phosphate buffered saline pH7.0 containing 0.02% Tween80 and 130mM Arginine HCl
Reconstitution Method:	Reconstitute with 1.0ml distilled water at 30°C for 5 minutes.
Preparation:	Lyophilised purified protein
Applications:	In vitro Assay.
Protein Description:	Recombinant Annexin V expressed in <i>E.coli</i> .
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the protein (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: 6 month from despatch.
RefSeq:	<a href="#">NP_001145</a>
Locus ID:	308
UniProt ID:	<a href="#">P08758</a> , <a href="#">V9HWEO</a>
Cytogenetics:	4q27
Synonyms:	ANX5; ENX2; HEL-S-7; PP4; RPRGL3



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**Summary:**

The Annexin 5 gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. Polymorphisms in this gene have been implicated in various obstetric complications. [provided by RefSeq, Dec 2019]