

ARG70472 Human Annexin A5 recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Human Annexin A5 recombinant protein
Tested Application	SDS-PAGE
Target Name	Annexin A5
Species	Human
A.A. Sequence	Met1 - Asp320
Expression System	E. coli
Alternate Names	ANXA5; Annexin A5; CPB-I; PAP-I; Placental Anticoagulant Protein I; Vascular Anticoagulant-Alpha; Calphobindin I; Endonexin II; Annexin V; VAC-Alpha; RPRGL3; ANX5

Properties

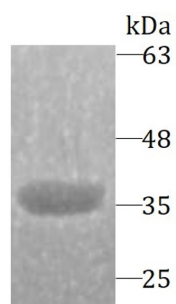
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ANXA5
Gene Full Name	ANXA5
Background	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.
Function	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.

PTM	Acetylation, Isopeptide bond, Phosphoprotein, S-nitrosylation, Ubl conjugation
Cellular Localization	Cytoplasm, cytosol, endothelial microparticle, external side of plasma membrane, extracellular exosome, extracellular region, focal adhesion, membrane

Images



Human Annexin A5
recombinant protein

ARG70472 Human Annexin A5 recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70472 Human Annexin A5 recombinant protein (His-tagged, C-ter)