



Recombinant Human Annexin A5 (ANXA5)

Product Code	CSB-EP001846HU-B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P08758
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILTLTSSRSNAQRQEIS AAFKTLFGRDLLDDLKSELTKGFEKLIVALMKPSRLYDAYELKHALKGAGTNEK VLTEIIASRTPEELRAIKQVYEEYEGSSLEDDVVGDTSQYQRMVLLQANRD PDAGIDEAQVEQDAQALFQAGELKWGTDEEKFITIFGTRSVSHLRKVFVKYMTI SGFQIEETIDRETSGNLEQLLLAVVKSIRSIPAYLAETLYAMKGAGTDDHTLIRV MVSRSSEIDLFNIRKEFRKNFATSLYSMIKGDTSQDYKKALLLLCGEDD
Research Area	Cardiovascular
Source	E.coli
Target Names	ANXA5
Protein Names	Recommended name: Annexin A5 Alternative name(s): Anchorin CII Annexin V Annexin-5 Calphobindin I Short name= CBP-I Endonexin II Lipocortin V Placental anticoagulant protein 4 Short name= PP4 Placental ant
Expression Region	2-320aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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. The 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.