

Human Annexin A5

Synonyms: PP4, ANX5, ENX2, ANXA5, Annexin A5, Annexin-5, Annexin V, Lipocortin V, Endonexin II, Calphobindin I, CBP-I, Placental anticoagulant protein I, PAP-I, Placental anticoagulant protein 4, Thromboplastin inhibitor, Vascular anticoagulant-alpha, VAC-alpha, An

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	4081.950.005		
20 µg	4081.950.020		
1 mg	4081.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Human Annexin A5 (ANXA5) produced in E.Coli is a non-glycosylated protein consisting of 320 amino acids (1-320 a.a.) with a molecular mass of 35.9 kDa. It is a member of the annexin family of calcium-dependent phospholipid binding proteins which are involved in membrane-related activity along exocytotic and endocytotic pathways. Annexin A5 (ANXA5) is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel properties and takes part in cellular signal transduction, inflammation, growth and differentiation. Annexin A5 (ANXA5) is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. Annexin A5 (ANXA5) regulates coagulability in the blood stream by binding to phosphatidylserine and sulfatide. It protects sinusoidal endothelial cells from ischemia reperfusion damage. Annexin A5 (ANXA5) is necessary for normal CFTR chloride channel activity.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Tris-HCl (20mM, pH-8,0), DTT (1mM), glycerol (10%)*
- **Physical state** Sterile filtered solution

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MAQVLRGTVT DFPGFDERAD AETLRKAMKG LGTDEESILT LLTSRSNAQR QEISAAFCTL FGRDLLDDLK
 SELTGKFEKL IVALMKPSRL YDAYELKHAL KGAGTNEKVL TEIIASRTPE ELRAIKQVYE EEYGSSLEDD
 VVGDTSGYYQ RMLVVLLQAN RDPDAGIDEA QVEQDAQALF QAGELKWGTD EEKFITIFGT RSVSHLRKVF
 DKYMTISGFQ IEETIDRETS GNLEQLLLAV VKSIRSIPAY LAETLYYAMK GAGTDDHTLI RVMVSRSEID
 LFNIRKEFRK NFATSLYSMI KGDTSGDYKK ALLLLCGEDD

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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