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ABflo® 647-Labeled Recombinant Human Annexin A5/ANXA5 Protein

Catalog No.: RP01180YLQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	308	P08758

Tags
C-His

Synonyms
ANXA5; ANX5; ENX2; PP4；Annexin A5; Anchorin CII; Annexin V; Annexin-5; Calphobindin I; CPB-I; Endonexin II; Lipocortin V; Placental anticoagulant protein 4; PP4; Placental anticoagulant protein I; PAP-I; Thromboplastin inhibitor; Vascular anticoagulant-alpha; VAC-alpha

Product Information

Source	Purification
E. coli	

Calculated MW	Observed MW
36.77 kDa	37 kDa

Endotoxin

Formulation
Solution in 25 mM HEPES,140 mM NaCl, 1 mM EDTA, pH 7.4, 0.1% bovine serum albumin (BSA)

Reconstitution

Background

Annexin A5/ANXA5 is a multifunctional protein that is highly expressed on the apical surfaces of syncytiotrophoblasts, and plays an important role in haemostatic regulations, maintaining blood fluidity of the placenta. Annexin A5 (ANXA5) is a protein abundantly expressed in normal placenta where it contributes to the healthy outcome of a pregnancy. The association found between the maternal carriage of the M2/ANXA5 haplotype and an elevated risk of IUGR and/or PE supports the hypothesis that carrier status of this haplotype and the consequently reduced placental ANXA5 expression might be responsible, at least partially, for the onset of these gestational vascular complications. ANXA5 could be used as a biomarker for the early detection of PE and for the prediction of its severity. ANXA5 as an embryonic anticoagulant that appears deficient in contiguous specter of thrombophilia-related pregnancy complications culminating more frequently in miscarriage in a maternal M2 carrier background. As a potential indicator for malignancy and lymphatic metastasis, ANXA5 overexpression increases in vitro migration and invasion of Hca-P cell, promotes in vivo malignancy, LNM rate and level of Hca-P-transplanted mice. Hereditary thrombophilias can impair vascular placental functions and predispose to the birth of small-for-gestational age (SGA) babies. The placental anticoagulant protein annexin A5 (ANXA5) may contribute to this process.

Basic Information

Description

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at 2-8℃.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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