
Product Data Sheet

Product Name: ANXA1 Mouse

Cat. No.: GP22727

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Annexin A1; Annexin I; Annexin-1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; Phospholipase A2 inhibitory protein; p35.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAMVSEF LKQARFLENQ EQEYVQAVKS YKGGPGSAVS PYPFNVSSDVAALHKAIMV KGVDEATIID ILTKRTNAQR QQIKAAYLQE NGKPLDEVLR KALTGHLEEV VLAMLKTPAQFDADELRGAM KGLGTDEDTL IEILTTRSNE QIREINRVYR EELKRDLAKD ITSDTSGDFR KALLALAKGDRCDLSVNQD LADTDARALY EAGERRKGTD VNVFTTILTS RSFPHLRRVF QNYGKYSQHD MNKALDLELKGDIKCLTTI VKCATSTPAF FAEKLYEAMK GAGTRHKALI RIMVSRSEID MNEIKVFYQK KYGISLCQAILDETKGDYK ILVALCGGN.		
Formulation	ANXA1 protein solution (1mg/ml) containing Phosphatebuffered saline (pH7.4), 20% glycerol and 1mM DTT.		

Introduction

ANXA1 is part of the family of Ca(2+)-dependent phospholipid binding proteins which have a Mw between 35kDa-40kDa and are situated on the cytosolic face of the plasma membrane. ANXA1 protein has a Mw of 40kDa, with phospholipase A2 inhibitory activity to bind from two to four calcium ions with high affinity. Since phospholipase A2 is necessary for the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes, ANXA1 might have potential anti-inflammatory activity. ANXA1 promotes membrane fusion and plays a role in exocytosis. The recognition of ANXA1 protein by immunocytochemical leads a simple, highly sensitive and specific assay for diagnosis of hairy cell leukemia.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ANXA1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 369 amino acids (1-346 a.a) and having a molecular mass of 41.1kDa. ANXA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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