
Product Data Sheet

Product Name: ANXA2
 Cat. No.: GP22730
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ANX2; ANX2L4; CAL1H; LIP2; LPC2; LPC2D; P36; PAP-IV; ANXA2; Annexin A2; Annexin-2; Annexin II; Lipocortin II; Calpactin-1 heavy chain; Calpactin I heavy chain; Chromobindin-8; p36; Protein I; Placental anticoagulant protein IV.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMST VHEILCKLSL EGDHSTPPSA YGSVKAYTNF DAERDALNIE TAIKTKGVDE VTIVNILTNR SNAQRQDI AFAYQRRTKKEL ASALKSALSG HLETVILGLL KTPAQYDASE LKASMKGLGT DEDSLIEIIC SRTNQELQEI NRVYKEMYKT DLEKDIISDT SGDFRKL MVA LAKGRR AEDG SVIDYELIDQ DARDLYDAGV KRKGT DVPKW ISIMTERSVP HLQKVFD RYK SYSPYD MLES IRKEVKGDLE NAFLNLVQCI QNKPLYFADR LYDSMKGKGT RDKVLIRIMV SRSEVDMLKI RSEFKRKYGK SLYYYIQQDT KGDYQKALLY LCGGDD.		
Formulation	ANXA2 (0.5mg/ml) solution containing 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.		

Introduction

ANXA2 is part of the annexin family and is involved in the regulation of cellular growth and in signal transduction pathways. ANXA2 protein functions as an autocrine factor which increases osteoclast formation and bone resorption. ANXA2 is associated with sickle cell osteonecrosis. Reduced ANXA2 expression is associated with osteosarcoma metastases. ANXA2 is part of the putative cell surface vitamin D binding protein binding site complex and functions to mediate the chemotactic cofactor effect. ANXA2 is involved in dysferlin deficiency and in muscular dystrophies. Human colon adenocarcinoma cell differentiation is related with an up-regulation of ANXA2.

Stability

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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). Avoid multiple freeze-thaw cycles.

Background

ANXA2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 376 amino acids (1-339a.a.) and having a molecular mass of 42.8 kDa. ANXA2 is fused to a 37 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques.

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