9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

ANXA2

Annexin A2 Human Recombinant
RCP0067

Product Overview

Name	ANXA2
Description	
Annexin A2 Human Recombinant	
Accession (Primary)	P07355
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
ANXA2 (0.5mg/ml) solution containing 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.	
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). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH MST VHEILCKLSL EGDHSTPPSA YGSVKAYTNF DAERDALNIE TAIKTKGVDE VTIVNILTNR SNAQRQDIAF AYQRRTKKEL ASALKSALSG HLETVILGLL	

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KTPAQYDASE LKASMKGLGT DEDSLIEIIC SRTNQELQEI NRVYKEMYKT DLEKDIISDT SGDFRKLMVA LAKGRRAEDG SVIDYELIDQ DARDLYDAGV KRKGTDVPKW ISIMTERSVP HLQKVFDRYK SYSPYDMLES IRKEVKGDLE NAFLNLVQCI QNKPLYFADR LYDSMKGKGT RDKVLIRIMV SRSEVDMLKI RSEFKRKYGK SLYYYIQQDT KGDYQKALLY LCGGDD.

Precautions

ANXA2 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07355)