

Recombinant Human Annexin A3

Cat. No. ANXA3-1834H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ANXA3 was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 36.3 kDa (323aa).
Species	Human
Source	E.coli
Description	Annexin A3, also known as ANXA3, belong to the calcium dependent phospholipid binding protein family which play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions in the inhibition of phospholipase A2 and cleavage of inositol 1, 2 cyclic phosphates to form inositol 1 phosphate. It has been reported for the signaling cascade in rat liver regeneration.
Form	Liquid. In 20mM Tris-HCl buffer (pH7.5) containing 1mM DTT, 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MASIWVGHRG TVRDYPDFSP SVDAEAIQKA IRGIGTDEKM LISILTERSN AQRQLIVKEY QAAYGKELKD DLKGDLSGHF EHLMVALVTPPAVFDKQLK KSMKGAGTNE DALIEILTTR TSRQMKDISQ AYYTVYKKSL GDDISSETSG DFRKALLTLA DGRRDESLKV DEHLAKQDAQILYKAGENRW GTDEDKFTEI LCLRSFPQLK LTFDEYRNIS QKDIVDSIKG ELSGHFEDLL LAIVNCVRNT PAFLAERLHR ALKGIGTDEFTLNRIMVSRS EIDLLDIRTE FKKHYGYSLY

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SAIKSDTSGD YEITLLKICG GDD.

Storage

can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[ANXA3 annexin A3 \[Homo sapiens \]](#)

Synonyms

annexin A3; ANX3; ANXA3; PAP-III; annexin-3; lipocortin III; 35-alpha calcimedin; calcimedin 35-alpha; Annexin III (lipocortin III); placental anticoagulant protein III; inositol 1,2-cyclic phosphate 2-phosphohydrolase; annexin III (lipocortin III, 1,2-cyclic-inositol-phosphate phosphodiesterase, placental anticoagulant protein III, calcimedin 35-alpha); Placental anticoagulant protein III; Lipocortin III; Annexin-3; Annexin III

Gene ID

[306](#)

mRNA Refseq

[NM_005139](#)

Protein Refseq

[NP_005130](#)

MIM

[106490](#)

UniProt ID

[P12429](#)

**Chromosome
Location**

4q13-q22

Function

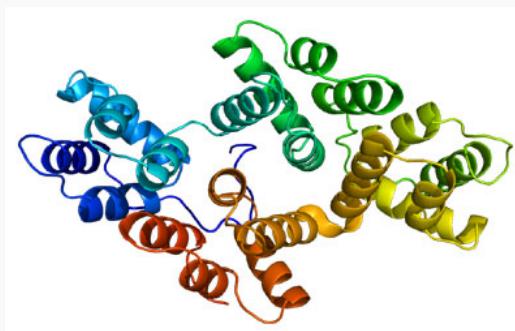
calcium ion binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity

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