

Recombinant human Annexin A3/ANXA3 protein

Catalog Number: ATGP0453

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-323aa

UniProt No.

P12429

NCBI Accession No.

NP_005130

Alternative Names

Annexin-3, Lipocortin III, Placental anticoagulant protein III, 35-alpha calcimedin, ANXA3, ANX3, Annexin A3, Annexin III, PAP III, Inositol 1 2 cyclic phosphate 2 phosphohydrolase

PRODUCT SPECIFICATION

Molecular Weight

36.3 kDa (323aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human ANXA3 was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MASIWVGHRG TVRDYPDFSP SVDAEAIQKA IRGIGTDEKM LISILTERSN AQRQLIVKEY QAAYGKELKD DLKGDLSGHF
EHLMVAVLTP PAVFDAKQLK KSMKGAGTNE DALIEILTTR TSRQMKDISQ AYYTVYKKSL GDDISSETSG DFRKALLTLA
DGRRDESLKV DEHLAKQDAQ ILYKAGENRW GTDEDKFTEI LCLRSFPQLK LTFDEYRNIS QKDIVDSIKG ELSGHFEDLL
LAIVNCRVNT PAFLAERLHR ALKGIGTDEF TLNRIMVSRS EIDLLDIRTE FKKHYGYSLY SAIKSDTSGD YEITLLKICG GDD

General References

Harashima M., et al. (2008) J Biochem. 143(4):537-45.
Tait J., et al. (1991) Genomics. 10(2):441-8.

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

