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Recombinant human Annexin A11/ANXA11 protein

Catalog Number: ATGP0771

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-505aa

UniProt No.

P50995

NCBI Accession No.

NP 001148.1

Alternative Names

56 kDa autoantigen, Annexin XI, Annexin-11, Calcyclin-associated annexin 50, CAP-50, ANX11

PRODUCT SPECIFICATION

Molecular Weight

56.5 kDa (525aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM MES buffer (pH 5.0) containing 20% glycerol, 2mM DTT, 100mM NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

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

ANXA11 (Annexin A11) is a member of the annexin family, a group of calcium-dependent phospholipid-binding proteins. Annexins have unique N-terminal domains and conserved C-terminal domains, which contain the calcium-dependent phospholipid-binding sites. ANXA11 binds specifically to calcyclin in a calcium-dependent manner. And it required for midbody formation and completion of the terminal phase of cytokinesis. This protein is a 56-kD antigen recognized by sera from patients with various autoimmune diseases. Recombinant ANXA11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional



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chromatography techniques.

Amino acid Sequence

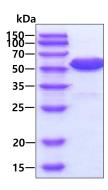
<MGSSHHHHHH SSGLVPRGSH> MSYPGYPPPP GGYPPAAPGG GPWGGAAYPP PPSMPPIGLD NVATYAGQFN QDYLSGMAAN MSGTFGGANM PNLYPGAPGA GYPPVPPGGF GQPPSAQQPV PPYGMYPPPG GNPPSRMPSY PPYPGAPVPG QPMPPPGQQP PGAYPGQPPV TYPGQPPVPL PGQQQPVPSY PGYPGSGTVT PAVPPTQFGS RGTITDAPGF DPLRDAEVLR KAMKGFGTDE QAIIDCLGSR SNKQRQQILL SFKTAYGKDL IKDLKSELSG NFEKTILALM KTPVLFDIYE IKEAIKGVGT DEACLIEILA SRSNEHIREL NRAYKAEFKK TLEEAIRSDT SGHFQRLLIS LSQGNRDEST NVDMSLAQRD AQELYAAGEN RLGTDESKFN AVLCSRSRAH LVAVFNEYQR MTGRDIEKSI CREMSGDLEE GMLAVVKCLK NTPAFFAERL NKAMRGAGTK DRTLIRIMVS RSETDLLDIR SEYKRMYGKS LYHDISGDTS GDYRKILLKI CGGND

General References

Tomas A., et al. (2004) J. Cell Biol. 165:813-822 Satoh., et al. (2002) Biochem. Biophys. Res. Commun. 291 (5): 1166-72

DATA

SDS-PAGE



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

