

# Recombinant human Annexin A11/ANXA11 protein

Catalog Number: ATGP0771

## PRODUCT INFORMATION

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**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

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**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**

&gt; 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

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**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 calyculin 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 PPYGMYPYPPG GNPPSRMPY PPYPGAPVPG  
QPMPPPGQQP PGAYPGQPPV TYPGQPPVPL PGQQQPVPSY PGYPGSGTVT PAVPPTQFGS RGTITDAPGF DPLRDAEVL  
KAMKGFGTDE QAIIDCLGSR SNKQRQQILL SFKTAYGKDL IKDLKSELSG NFEKTILALM KTPVLFDIYE IKEAIKGVGT  
DEACLEIILA SRSNEHIREL NRAYKAFFKK TLEEAIASDT SGHFQRLIS LSQGNRDEST NVDMSLAQRD AQELYAAGEN  
RLGTDESKFN AVLCSRSRAH LVAVFNEYQR MTGRDIEKSI CREMSGDLEE GMLAVVKCLK NTPAFFAERL NKAMRGAGTK  
DRTLIRIMVS RSETDLLDIR SEYKRMYGKS LYHDISGDTS GDYRKILLKI CGGND

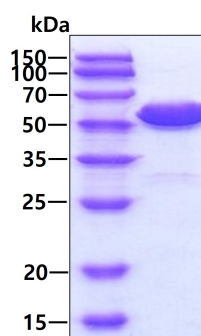
## General References

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.