

ANXA11 Annexin A11 Human Recombinant Protein

Catalog Number: PROTP50995

Introduction

Annexin A11 (ANXA11) belongs to the annexin family, which is a group of calcium-dependent phospholipid-binding proteins. Annexins have distinctive N-terminal domains and conserved C-terminal domains, which contain the calcium-dependent phospholipid-binding sites. Annexin A11 binds specifically to calyculin in a calcium-dependent manner. Moreover, ANXA11 is required for midbody formation and completion of the terminal phase of cytokinesis. The ANXA11 protein is a 56kDa antigen recognized by sera from patients with various autoimmune diseases.

Overview

Product Name	ANXA11 Annexin A11 Human Recombinant Protein
Description	ANXA11 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 525 amino acids (1-505 a.a.) and having a molecular mass of 56.6kDa. The ANXA11 is purified by proprietary chromatographic techniques.
Source	E. Coli
Physical Appearance	Sterile Filtered colorless solution.
Formulation	The ANXA11 solution (0.25 mg/ml) contains 20% glycerol, 2mM DTT and 100mM NaCl.

Storage

Store in -20°C for long term storage. After reconstitution, store in 4°C for short term usage within a few days. Avoid freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SGLVPRGSH MSYPGYPPPP GGYPAAAPGG GPWGGAAYPP PPSMPPIGLD NVATYAGQFN QDYLSGMAAN
MSGTFGGANM PNLYPGAPGA GYPPVPPGGF GQPPSAQQPV PPYGMYPYPPG NPPSRMPSY PPYPGAPVPG QPMPPPQQP
PGAYPGQPPV TYPGQPPVPL PGQQQVPSY PGYPGSGTVT PAVPPTQFGS RGTITDAPGF DPLRDAEVLK KAMKGFGTDE QAIIDCLGSR

SNKQRQQILL SFKTAYGKDL IKDLKSELSEG NFEKTILALM KTPVLFDIYE IKEAIKGVGT DEACLIEILA SRSNEHIREL NRAYKAEFKK
TLEEAIRSDT GHFQRLIS LSQGNRDEST NVDMSLAQRD AQELYAAGEN RLGTDESKFN AVLCSRSRAH LVAVFNEYQR MTGRDIEKSI
CREMSGDLEE GMLAVVKCLK NTPAFFAERL NKAMRGAGTK DRTLIRIMVS RSETDLLDIR SEYKRMYGKS LYHDISGDTS GDYRKILLKI
CGGND.

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