



Catalog Number: PR27209

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SSSLVPRGSH MSYPGYPPPP GGYPPAAPGG GPWGGAAYPP PPSMPPIGLD NVATYAGQFN QDYLSGMAAN MSGTFGGANM PNLYPGAPGA GYPPVPPGGF GQPPSAQQPV PPYGMYPYPG NPPSRMPSY PPYPGAPVPG QPMPPPGQQP PGAYPGQPPV TYPGQPPVPL PGQQQPVPY PGYPGSGTVT PAVPPTQFGS RGTITDAPGF DPLRDAEVLK KAMKGFDTDE QAIIDCLGSR SNKQRQQILL SFKTAYGKDL IKDLKSELSE NFEKTILALM KTPVLFDIYE IKEAIKGVGT DEACLIIEILA SRSNEHIREL NRAYKAEFKK TLEEAIKSDT GHFQRLLIS LSQGNRDEST NVDMSLAQF AQELYAAGEN RLGTDSEKFN AVLCSRSRAH LVAVFNEYQR MTGRDIEKSI CREMSGDLEE GMLAVVKCLK NTPAFFAERL NKAMRGAGTK DRTLIRIMVS RSETDLLDIR SEYKRMYGKS LYHDISGDTS GDYRKILLKI CGGND.

Description/Molecular Mass: 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.

ANXA11 Human Recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 525 amino acids (1-505) and having a molecular mass of 56.6 kDa.

The ANXA11 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 95.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: The ANXA11 solution (0.25mg/ml) contains 20mM MES buffer (Ph 5.0), 20% glycerol, 2mM DTT and 100mM NaCl.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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