
Product Data Sheet

Product Name: ANXA11 Human
 Cat. No.: GP22729
 Batch No.: 1

Product Data

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|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Annexin A11; 56 kDa autoantigen; Annexin XI; Annexin-11; Calcyclin-associated annexin 50; CAP-50; ANXA11; ANX11; CAP50. | | |
| Amino Acid Sequence | <p>MGSSHHHHHH SSGLVPRGSH MSYPGYPPPP GGYPPAAPGG GPWGGAAAYPP PPSMPPIGLD NVATYAGQFN QDYLSGMAAN MSGTFGGANM PNLYPGAPGA GYPPVPPGGF GQPPSAQQPV PPYGMYP PPG NPPSRMP SY PPYPGAPVPG QPMPPPGQQP PGAYPGQPPV TYPGQPPVPL PGQQQPVP SY PGYPGSGTVT PAVPPTQFGS RGTITDAPGF DPLRDAEVL R KAMKGF GTDE QAIIDCLGSR SNKQRQQILL SFKTAYGKDL IKDLKSEL SG NFEKTILALM KTPVLFDIYE IKEAIKGVGT DEACLIEILA SRSNEHIREL NRAYKAEFKK TLEEAI RSDT GHFQRL LIS LSQGNRDEST NVDMSLAQRD AQELYAAGEN RLG TDESKFN AVLCSRSRAH LVAVFNEYQR MTGRDIEKSI CREMSGDLEE GMLAVVKCLK NTPAFFAERL NKAMRGAGTK DRTLIRIMVS RSETDLLDIR SEYKRMYGKS LYHDISGDTS GDYRKILLKI CGGND.</p> | | |
| Formulation | The ANXA11 solution (0.25mg/ml) contains 20mM MES buffer (Ph 5.0), 20% glycerol, 2mM DTT and 100mM NaCl. | | |

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 calcyclin 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.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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