
Product Data Sheet

Product Name: ANXA7 Human
 Cat. No.: GP22737
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Annexin A7; Annexin-7; Annexin VII; Synexin; ANXA7; ANX7; SNX.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSYPGY PPTGYPPFPY YPPAGQESSF PPSGQYPYPS GFPPMGGGAY PQVPSSGYPG AGGYPPGGY PAPGGYPGAP QPGGAPSYPG VPPGQGFVGP PGGAGFSGYP QPPSQSYGGG PAQVPLPGGF PGGQMPSQYP GGQPTYPSQP ATVTQVTQGT IRPAANFDAI RDAEILRKAM KGFGTDEQAI VDVVANRSND QRQKIKAAFK TSYGKDLIKD LKSELSGNME ELILALFMPP TTYDAWSLRK AMQGAGTQER VLIEILCTRT NQEIREIVRC YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ GNRDENQSIN HQMAQEDAQR LYQAGEGRLG TDESCFNMIL ATRSFQQLRA TMEAYSRLMAN RDLLSSVSRE FSGYVESGLK TILQCALNRP AFFAERLYYA MKGAGTDDST LVRIVVTRSE IDLVQIKQMF AQMYQKTLGT MIAGDTSGDY RLLLLAIVGQ		
Formulation	ANXA7 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 150mM NaCl, 1mM DTT and 40% glycerol.		

Introduction

Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. Annexin VII has molecular weight of approximately 51 kDa with a unique, highly hydrophobic N-terminal domain of 167 amino acids and a conserved C-terminal region of 299 amino acids. The latter domain is composed of alternating hydrophobic and hydrophilic segments. Structural analysis of the protein suggests that Annexin VII is a membrane binding protein with diverse properties including voltage-sensitive calcium channel activity, ion selectivity and membrane fusion.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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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

ANXA7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 490 amino acids (1-466 a.a.) and having a molecular mass of 52.9kDa. ANXA7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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