

## ANXA7 Human

**Description:**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.

Catalog #:PRPS-456

For research use only.

**Synonyms:**Annexin A7, Annexin-7, Annexin VII, Synexin, ANXA7, ANX7, SNX.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMSYPGY PPTGYPPFPG  
YPPAGQESSF PPSGQYPYPS GFPPMGGGAY PQVPSSGYPG AGGYPAPGGY PAPGGYPGAP  
QPGGAPSYPG VPPGQGFVPG PGGAGFSGYP QPPSQSYGGG PAQVPLPGGF  
PGGQMPSQYP GGQPTYPSQP ATVTQVTQGT IRPAANFDAI RDAEILRKAM KGFGTDEQAI  
VDVVANRSND QRQKIKAAFK TS

**Purity:**Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

ANXA7 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 150mM NaCl, 1mM DTT and 40% glycerol.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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