



Catalog Number: PR27216

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SSSLVPRGSH MGSMSYPGY PPTGYPPFPY YPPAGQESSF PPSGQYPYPS GFPPMGGGAY PQVPSSGYPG AGGYAPGGY PAPGGYPGAP QPGGAPSYPG VPPGQGFVPG 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 ATRSFPLRLA TMEAYSRLMAN RDLLSSVSRE FSGYVESGLK TILQCALNRP AFFAERLYYA MKGAGTDDST LVRIIVTRSE IDLVQIKQMF AQMYQKTLGT MIAGDTSGDY RRLLLAIVGQ

Description/Molecular Mass: 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.

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.

Purity: Greater than 85.0% as determined by:
(a) Analysis by SDS-PAGE.

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

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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