

ANXA7

Recombinant Human Annexin 7 His

Catalog No.	CRA120A CRA120B CRA120C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Annexin A7, Annexin-7, Annexin VII, Synexin, ANXA7, ANX7, SNX.		
Description:	<p>Annexin A7 is a member of the annexin family of calcium-dependent phospholipid binding proteins. It has a 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 A7 is a membrane binding protein with diverse properties including voltage-sensitive calcium channel activity, ion selectivity, and membrane fusion.</p> <p>Human Recombinant Human ANXA7 is a single, non-glycosylated polypeptide chain containing 490 amino acids (aa 1-466) with a 24 aa His tag at the N terminal end. It is purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile Filtered clear solution.		
Gene ID:	310		
Protein Accession No:	P20073.3		
Source:	<i>E. coli</i>		
Molecular Weight:	52.9 kDa		
Formulation:	ANXA7 protein solution (0.25 mg/ml) containing 20 mM Tris-HCl buffer, pH 8.0, + 150 mM NaCl + 1 mM DTT + 40% glycerol.		
Purity:	Greater than 85.0% as determined by SDS-PAGE.		
Amino Acid Sequence:	<p><u>MGSSHHHHHH SSGLVPRGSH MGSHMSYPGY PPTGYPPFPG YPPAGQESSF</u> <u>PPSQYYPYPS GFPPMGGGAY PQVPSSGYPG AGGYPAPGGY PAPGGYPGAP</u> <u>QPGGAPSYPG VPPGQGFVVP PGGAGFSGYP QPPSQSYGGG PAQVPLPGGF</u> <u>PGGQMPSQYP GGQPTYPSQP ATVTQVTQGT IRPAANFDAI RDAEILRKAM</u> <u>KGFGTDEQAI VDVVANRSND QRQKIKAAFK TSYGKDLIKD LKSELSGNME</u> <u>ELILALFMPP TYYDAWSLRK AMQGAGTQER VLIEILCTRTR NQEIREIVRC</u> <u>YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ GNRDENQSIN HQMAQEDAQR</u> <u>LYQAGEGRLG TDESCFNMIL ATRSFPQLRA TMEAYSRMAN RDLLSSVSRE</u> <u>FSGYVESGLK TILQCALNRP AFFAERLYYA MKGAGTDDST LVRIVVTRSE</u> <u>IDLVQIKQMF AQMYQKTLGT MIAGDTSGDY RRLLLAIVGQ</u></p>		
Storage & Stability:	Store at 2-4°C if entire vial will be used within 2 weeks. Store, frozen in aliquots 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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