

Product information

ANXA7, 1-466aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1407

Full name: Annexin A7

NCBI Accession No.: NP_001147

Synonyms: ANX7, SNX, SYNEXIN

Description: ANXA7, also known as annexin A7, is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing in their N-terminal domain. 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. Recombinant human ANXA7 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

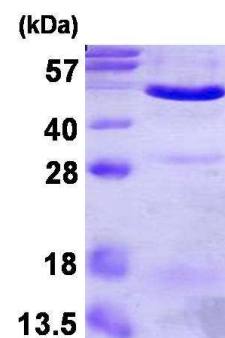
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol,

0.15M NaCl, 1mM DTT

Molecular Weight: 52.9 kDa (490aa)

Purity: > 85% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMSYPGY PPTGYPPFPG YPPAGQESSF PPSGQYPYPS GFPPMGGGAY PQVPSSGYPG AGGYPAPGGY
PAPGGYPGAP QPGGAPSYPG VPPGQGFGVP PGGAGFSGYP QPPSQSYGGG PAQVPLPGGF PGGQMP SQYP GGQPTYP SQP ATVTQVTQGT
IRPAANFDAI RDAEILRKAM KGFGTDEQAI VDVVANRSND QRQKIAAFK TSYGKDLIKD LKSELSGNME ELILALFMPP TTYDAWSLRK
AMQGAGTQER VLIEILCTRT NQEIREIVRC YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ GNRDENQSIN HQMAQEDAQR LYQAGEGR LG
TDESCFNMIL ATRSFQQLRA TMEAYS RMAN RDLSSVSRE FSGYVESGLK TILQCALNRP AFFAERLYYA MKGAGTDDST LVRI VVTRSE
IDL VQIKQMF AQMYQKTLGT MIAGDTSGDY RRLLLAIVGQ

General references:

Shirvan A., *et al.* (1994) *Biochemistry*. 33:6888-6901

Shibata H., *et al.* (2008) *J. Biol. Chem.* 283:9623-9632

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.