

Recombinant Human Annexin A7, His-tagged

Cat. No. ANXA7-5540H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanANXA7 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Description	ANXA7,also known as annexin A7, is a member of the annexin family ofcalcium-dependent phospholipid binding proteins. The Annexin VII genecontains 14 exons and spans approximately 34 kb of DNA. An alternativelyspliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb whichare predicted to generate two protein isoforms differing in their N-terminaldomain.
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT.
Molecular Weight	52.9 kDa(490aa)
Purity	> 85%by SDS-PAGE
Concentration	0.25mg/ml (determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGS HMSYPGY PPTGYPPFPG YPPAGQESSF PPSGQYPYPS GFPPMGGGAY PQVPSSGYPGAGGYAPGGY PAPGGYPGAP QPGGAPSYPG VPPGQGFGVP PGGAGFSGY P QPPSQSYGGG PAQVPLPGGFPGGQMPSQYP GGQPTYPSQP ATVTQVTQGT IRPAANFDAI RDAEILRKAM KGFGTDEQAI VDVVANRSNDQRQKIKAAFK TSYGKDLIKD

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LKSELSGNME ELILALFMPP TYYDAWSLRK AMQGAGTQER
 VLIEILCTR TNQEI REIVRC YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ
 GNRDENQSIN HQMAQEDAQR LYQAGEGRLGTDESCFNMIL ATRSFPQLRA
 TMEAYSRMAN RDLLSSVSRE FSGYVESGLK TILQCALNRP
 AFFAERLYYAMKGAGTDDST LVRIVVTRSE IDLVQIKQMF AQMYQKTLGT
 MIAGDTSGDYRRLLLAIVGQ

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [ANXA7 annexin A7 \[Homosapiens \]](#)

Official Symbol [ANXA7](#)

Synonyms ANXA7; annexin A7; SNX; ANX7; SYNEXIN;calcium-dependent protein binding; protein binding; annexinA7; annexin-7; annexin VII; Synexin;OK/SW-cl.95

Gene ID [310](#)

mRNA Refseq [NM_001156](#)

Protein Refseq [NP_001147](#)

MIM [186360](#)

UniProt ID [P20073](#)

Chromosome Location 10q22.2

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Function

calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent protein binding; protein binding

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