

# Recombinant Human Annexin A7, His-tagged

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

## SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>        | Recombinant humanANXA7 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.                                                                                                                                                                                                                                        |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>             | 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. |
| <b>Form</b>                    | Liquid. 20mMTris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT.                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Weight</b>        | 52.9 kDa(490aa)                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                  | > 85%by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>           | 0.25mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequences of aminoacids</b> | MGSSHHHHHHSSGLVPRGSH MGSMSYPGY PPTGYPPFPG YPPAGQESSF<br>PPSGQYPYPS GFPPMGGGAY PQVPSSGYPGAGGYAPGGY PAPGGYPGAP<br>QPGGAPSYPG VPPGQGFGVP PGGAGFSGY PPPSQSYGGG<br>PAQVPLPGGFPGGQMPSQYP GGQPTYPSQP ATVTQVTQGT IRPAANFDAI<br>RDAEILRKAM KGFGTDEQAI VDVVANRSNDQRQKIKAAFK TSYGKDLIKD                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LKSELSGNME ELILALFMPP TYYDAWSLRK AMQGAGTQER  
 VLIEILCTR TNQEI REIVRC YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ  
 GNRDENQSIN HQMAQEDAQR LYQAGEGRLGTDESCFN MIL ATRSF PQLRA  
 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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