

## 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 and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-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 amino acids</b>	MGSSHHHHHSSGLVPRGSH MGSMSYPGY PPTGYPPFPG YPPAGQESSF PPSGQYPYPS GFPPMGGGAY PQVPSSGYPGAGGY PAPPGGY PAPPGGY PGAP QPGGAPSYPG VPPGQGFVPG PGGAGFSGYP QPPSQSYGGG PAQVPLPGGFPGGQMPSQYP GGQPTYPSQP ATVTQVTQGT IRPAANFDAI 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  
 VLIEILCTRTRNQEIREEIVRC YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ  
 GNRDENQSIN HQMAQEDAQR LYQAGEGRLGTDESCFNMIL ATRSFPLRA  
 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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