

## Recombinant Human Annexin A7, T7-tagged

**Cat. No.** ANXA7-68H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human annexin A7 produced in <i>E.coli</i> is a non-glycosylated, polypeptide chain containing amino acids (1-466) and having a total molecular mass of 53.6 kDa. rhANXA7 contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Protein Length</b>	1-466 a.a.
<b>Description</b>	Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. Annexin VII has 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 VII is a membrane binding protein with diverse properties including voltage-sensitive calcium channel activity, ion selectivity and membrane fusion.
<b>Physical Appearance</b>	Sterile Filtered clear solution.
<b>Purity</b>	Greater than 90.0% as determined by the analysis by reducing and non-reducing SDS-PAGE coomassie blue staining.
<b>Formulation</b>	Recombinant Human Annexin-VII at a concentration of 0.1mg containing 10 mM Tris,

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pH 8.0, 0.1% Triton X-100, 0.002% NaN<sub>3</sub> and 10mM DTT.

**Applications** • ELISA • MS • Western Blotting.

**Storage** RhAnnexin-7 although stable at 14°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [ANXA7 annexin A7 \[ Homo sapiens \]](#)

**Synonyms** ANXA7; annexin A7; SNX; ANX7; SYNEXIN; Annexin A7; Annexin-7; Annexin VII; Synexin; OTTHUMP00000019812; OTTHUMP00000019813; OTTHUMP00000042922; OTTHUMP00000042923; OTTHUMP00000042925

**Gene ID** [310](#)

**mRNA Refseq** [NM\\_001156](#)

**Protein Refseq** [NP\\_001147](#)

**MIM** [186360](#)

**UniProt ID** [P20073](#)

**Chromosome Location** 10q21.1-q21.2

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

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