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Datasheet for ABIN1096023

**Annexin VII Protein (AA 1-466)**

## Overview

|                          |                            |
|--------------------------|----------------------------|
| Quantity:                | 50 µg                      |
| Target:                  | Annexin VII (ANXA7)        |
| Protein Characteristics: | AA 1-466                   |
| Origin:                  | Human                      |
| Source:                  | Escherichia coli (E. coli) |
| Protein Type:            | Recombinant                |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Recombinant Human Annexin A7/ANXA7   |
| Sequence:        | MSYPGYPTTG YPPFPGYPPA GQESSFPPSG QYPYPSGFPP MGGGAYPQVP SSGYPGAGGY<br>PAPGGYPAPG GYPGAPQPGG APSYPGVPPG QGFGVPPGGA GFSGYPQPPS QSYGGGPAQV<br>PLPGGFPGGQ MPSQYPGGQP TYPSPATVT QVTQGTIRPA ANFDAIRDAE ILRKAMKGFG<br>TDEQAIVDVV ANRSNDQRQK IKA AFKTSYG KDLIKDLKSE LSGNMEELIL ALFMPPTYD<br>AWSLRKAMQG AGTQERVLIE ILCTR TNQEI REIVRCYQSE FGRDLEKDIR SDTSGHFERL<br>LVSMCQGNRD ENQSINHQMA QEDAQRLYQA GEGRLGTDES CFNMILATRS FPQLRATMEA<br>YSRMANRDLL SSVSREFSGY VESGLKILQ CALNRPAFFA ERLYYAMKGA GTDDSTLVRI<br>VVTRSEIDL V QIKQMFAQMY QKTLGTMIAG DTSGDYRRL LAIVGQ |
| Characteristics: | Recombinant Human Annexin A7/ANXA7 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Gln466) of Human ANXA7.   |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.   |
| Sterility:       | 0.2 µm filtered  |

## Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

## Target Details

Target: Annexin VII (ANXA7)

Alternative Name: annexin-a7 ([ANXA7 Products](#))

Background: Annexin A7 (ANXA7) is a member of the annexin family of calcium-dependent phospholipid binding proteins. Annexin A7 has a unique, highly hydrophobic N-terminal domain and a conserved C-terminal region. The C-terminal region is composed of alternating hydrophobic and hydrophilic segments. Annexin A7 is a calcium/phospholipid-binding protein with diverse properties including voltage-sensitive calcium channel activity and promotes membrane fusion and is also involved in exocytosis.

Alternative Names: Annexin A7, Annexin VII, Annexin-7, Synexin, ANXA7, ANX7, SNX

Molecular Weight: 50.32 kDa

UniProt: [P20073](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μm filtered solution of 10 mM TrisHCl, 100 mM NaCl, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months