

## Recombinant Human SPAG7, His-tagged

**Cat. No.** SPAG7-15911H **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human SPAG7 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-227aa                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | SPAG7 contains 1 R3H domain. This protein is detected in fetal brain and localized in the nucleus.                                                                                                                                                                                             |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 30% glycerol, 1mM DTT.                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 28 kDa (250aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMADLLGS ILSSMEKPPS LGDQETRRKA<br>REQAARLKKL QEQEKKQKVE FRKRMEKEVS DFIQDSGQIK KKFQPMNKIE<br>RSILHDVVEV AGLTSFSFGE DDDCRYVMIF KKEFAPSDEE LDSYRRGEEW<br>DPQKAEEKRK LKELAQREQE EAAQQGPVVV SPASDYKDKY SHLIGKGAAK<br>DAAHMLQANK TYGCVPVANK RDTRSIEEAM NEIRAKKRLR QSGEELPPTS |
| <b>Purity</b>           | >85% by SDS - PAGE                                                                                                                                                                                                                                                                             |

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>        | SDS-PAGE                                                                                                                                    |
| <b>Storage</b>             | Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>       | 0.5 mg/ml (determined by Bradford assay)                                                                                                    |
| <b>GENE INFORMATION</b>    |                                                                                                                                             |
| <b>Gene Name</b>           | SPAG7 sperm associated antigen 7 [ Homo sapiens (human) ]                                                                                   |
| <b>Official Symbol</b>     | SPAG7                                                                                                                                       |
| <b>Synonyms</b>            | SPAG7; sperm associated antigen 7; ACRP; FSA-1; sperm-associated antigen 7                                                                  |
| <b>Gene ID</b>             | 9552                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_004890                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_004881                                                                                                                                   |
| <b>MIM</b>                 | 610056                                                                                                                                      |
| <b>UniProt ID</b>          | O75391                                                                                                                                      |
| <b>Chromosome Location</b> | O75391                                                                                                                                      |
| <b>Function</b>            | nucleic acid binding                                                                                                                        |

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