

# Recombinant Human SPAG16 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SPAG16-989H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SPAG16 MS Standard C13 and N15-labeled recombinant protein (NP_078808) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Cilia and flagella are comprised of a microtubular backbone, the axoneme, which is organized by the basal body and surrounded by plasma membrane. SPAG16 encodes 2 major proteins that associate with the axoneme of sperm tail and the nucleus of postmeiotic germ cells, respectively.                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 70.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MAAQRGMPSSAVRVLEEALGMGLTAAGDARDTADAVAAEGAYYLEQVTITEASEDD<br>YEYEEIPDDNFSIPEGEEDLAKAIQMAQEATDTEILERKTVLPSKHAVPEVIEDFLCN<br>FLIKMGMTRTLDCFQSEWYELIQKGVTELRTVGNVPDVYTQIMLLENENKNLKKDLK<br>HYKQAADKAREDLLKIQKERDFHRMHHKRIVQEKNKLINDLKGLKLHYASYEPTIRVL<br>HEKHHTLLKEKMLTSLERDKVVGQISGLQETLKKLQRGHSYHGPQIKVDHSREKENA<br>PEGPTQKGLREAREQNKCKTKMKGNTKDSEFPIDMQPNPNLNVSKESLSPAKFDYK<br>LKNIFRLHELPVSCVSMQPHKDILVSCGEDRLWKVLGLPKCNVLLTGFGHTDWLSDC<br>CFHPSGDKLATSSGDTTVKLWDLCKGDCILTFEGHSRAVWSCTWHSCGNFVASSS<br>LDKTSKIWDVNSERCRCRTLYGHTDSVNSIEFFPFSNTLLTSSADKTL SIWDARTGICE |

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QSLYGHMHSINDAIFDPRGHMIASCDACGVTKLWDFRKLLPIV SIDIGPSPGNEVNFD  
SSGRVLAQASGNGVIHLLDLKSGEIHKLMGHENEHAHTVVFSHDGEILFSGGSDGTVR  
TWSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** SPAG16 sperm associated antigen 16 [ Homo sapiens (human) ]

**Official Symbol** SPAG16

**Synonyms** SPAG16; sperm associated antigen 16; sperm-associated antigen 16 protein; DKFZp666P1710; FLJ22724; PF20; WDR29; WD repeat domain 29; pf20 protein homolog; sperm-associated WD repeat protein; FLJ37717; MGC87036;

**Gene ID** 79582

**mRNA Refseq** NM\_024532

**Protein Refseq** NP\_078808

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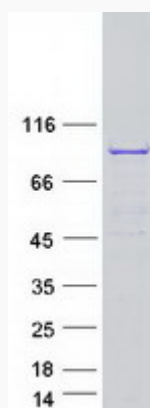
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MIM 612173

UniProt ID Q8N0X2

SDS-PAGE



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