

Product datasheet for SC210945

SPAG1 (NM_172218) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SPAG1 (NM_172218) Human 3' UTR Clone
Symbol:	SPAG1
Synonyms:	CILD28; CT140; DNAAF13; HEL-S-268; HSD-3.8; SP75; TPIS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_172218
Insert Size:	912 bp
Insert Sequence:	>SC210945 3'UTR clone of NM_172218 The sequence shown below is from the reference sequence of NM_172218. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CAGGCCCTAAAAAGGCAGTATGAGCTTAAATCAAGATAATTGTTAGATTCTTCCATGCATGTATGTG
TTCCAGGAATGTTAATGAGATGGTATTGTAAAAGAGTTGCATGGATAAACTTGGCCTAGAAAAGTTTG
GTCTGCACTATAAAACATTTTACTTATTTTCTACATAGAACATGTATATTCTACAATCTGCTTTTTAT
TAGTTGTAATATTTTCTTATGTACCAGAACCAATAAGTATATTAGAACTTGTTAAAAATACATTTT
AATTTATGATATACATATTATTTAATTACTTGTAAAAATTTTGAGTTAAGTTGCATTTCTTTGGGCTA
TGAAGGAGTCCTCTTAAGTTTGATAGAAATGAATTTCTTGAACATTCTTTTTAAAAAGTGGAAGTCAT
TAACAGTGATTATTATATCACTTATATCCTGCTAAGATACACATAAAATCCATTTTGTACTAGTACCTG
TGGATTACAGTCAGTTAAATGAAATGCAACACTGAAGTCTATAACATGAAATGATTATTAATGTTT
ATTAATTTAGAGCTATAAGAGGAACCTATTTTTCTAATACGGAAGCATTGCCTAATAATTAAGAACAA
AAATTGCCAAAAATTTCTACCACTTTTACTAGATTTTAAAAAGCTACTTTCTTTTATATTGCCTATAT
AAGCAAAAACCAACCACTGTATTAAGCAAACTAAGCCTGCATTATATCTGAATTATTACCTCCATA
TTTTACCAACATTTGAATGTCCCTTTCCCTTTTGTCTGCTTTTATGACTGTATTTATTCC
TTTACTGTAAAAGAATATGAAGAACTCATACATGTTGAAAGCTCCTTTGTTGACTGGGTCAAAGTGAAG
GAATTTCAATCTCCA
ACGCGTAAAGCGCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCGCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_172218.3
Summary:	The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm agglutinating antibodies from an infertile woman. Furthermore, immunization of female rats with the recombinant human protein reduced fertility. This protein localizes to the plasma membrane of germ cells in the testis and to the post-acrosomal plasma membrane of mature spermatozoa. Recombinant polypeptide binds GTP and exhibits GTPase activity. Thus, this protein may regulate GTP signal transduction pathways involved in spermatogenesis and fertilization. Two transcript variants of this gene encode the same protein. [provided by RefSeq, Jul 2008]
Locus ID:	6674
MW:	36.6