

Product datasheet for **RC221184**

SPAG11B (NM_058203) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPAG11B (NM_058203) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SPAG11B
Synonyms: EDDM2B; EP2; EP2C; EP2D; HE2; HE2C; SPAG11; SPAG11A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC221184 representing NM_058203
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGCAACGATTGCTCCCGTCCGTACCAGCCTTCTCCTTGTGGCCCTGCTGTTCCAGGATCGTCTC
AAGCCAGACATGTGAACCACTCAGCCACTGAGGCTCTCGGAGAACTCAGGAAAGAGCCCTGGCAAGG
CACAAACGGGTTTCAGCTGCTACGCCACGCAGTAAACGGGACCTTACCACCGCGCACCCACCTTAC
CAAGAACCTGCATCAGATTTAAAAGTTGTTGACTGCAGGAGAAGTGAAGGCTTCTGCCAAGAATACTGTA
ATTATATGGAAACACAAGTAGGCTACTGCTCTAAAAGAAAGACGCTGTGTTACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221184 representing NM_058203
Red=Cloning site Green=Tags(s)

MRQRLPSVTSLLLVALLPFGSSQARHVNHSATEALGELRERAPGQGTNGFQLLRHAVKRDLLPPRTPPY
QEPASDLKVVDCRRSEGFQCEYCNMETQVGYCSKKKDACCLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_058203.2 , NP_478110.1
RefSeq Size:	651 bp
RefSeq ORF:	342 bp
Locus ID:	10407
UniProt ID:	Q08648
Cytogenetics:	8p23.1
Protein Families:	Secreted Protein
MW:	12.7 kDa
Gene Summary:	This gene encodes several androgen-dependent, epididymis-specific secretory proteins. The specific functions of these proteins have not been determined, but they are thought to be involved in sperm maturation. Some of the isoforms contain regions of similarity to beta-defensins, a family of antimicrobial peptides. The gene is located on chromosome 8p23 near the defensin gene cluster. Alternative splicing of this gene results in seven transcript variants encoding different isoforms. Two different N-terminal and five different C-terminal protein sequences are encoded by the splice variants. Two additional variants have been described, but their full length sequences have not been determined. [provided by RefSeq, Jul 2008]